



A
MEDICO-TOPOGRAPHICAL ACCOUNT
OF
AJMERE, RAJPUTANA

BY
LT.-COLONEL P. DURRELL PANK,
INDIAN MEDICAL SERVICE,
RESIDENCY SURGEON, JEYPORE, LATE OFFICIATING CIVIL SURGEON, AJMERE,

WITH ADDITIONAL NOTES
BY
LT.-COLONEL D. FFRENCH-MULLEN, M.D.,
INDIAN MEDICAL SERVICE,
CIVIL SURGEON, AJMERE.

1900.



CALCUTTA:
OFFICE OF THE SUPERINTENDENT OF GOVERNMENT PRINTING, INDIA.
1900.

131 D

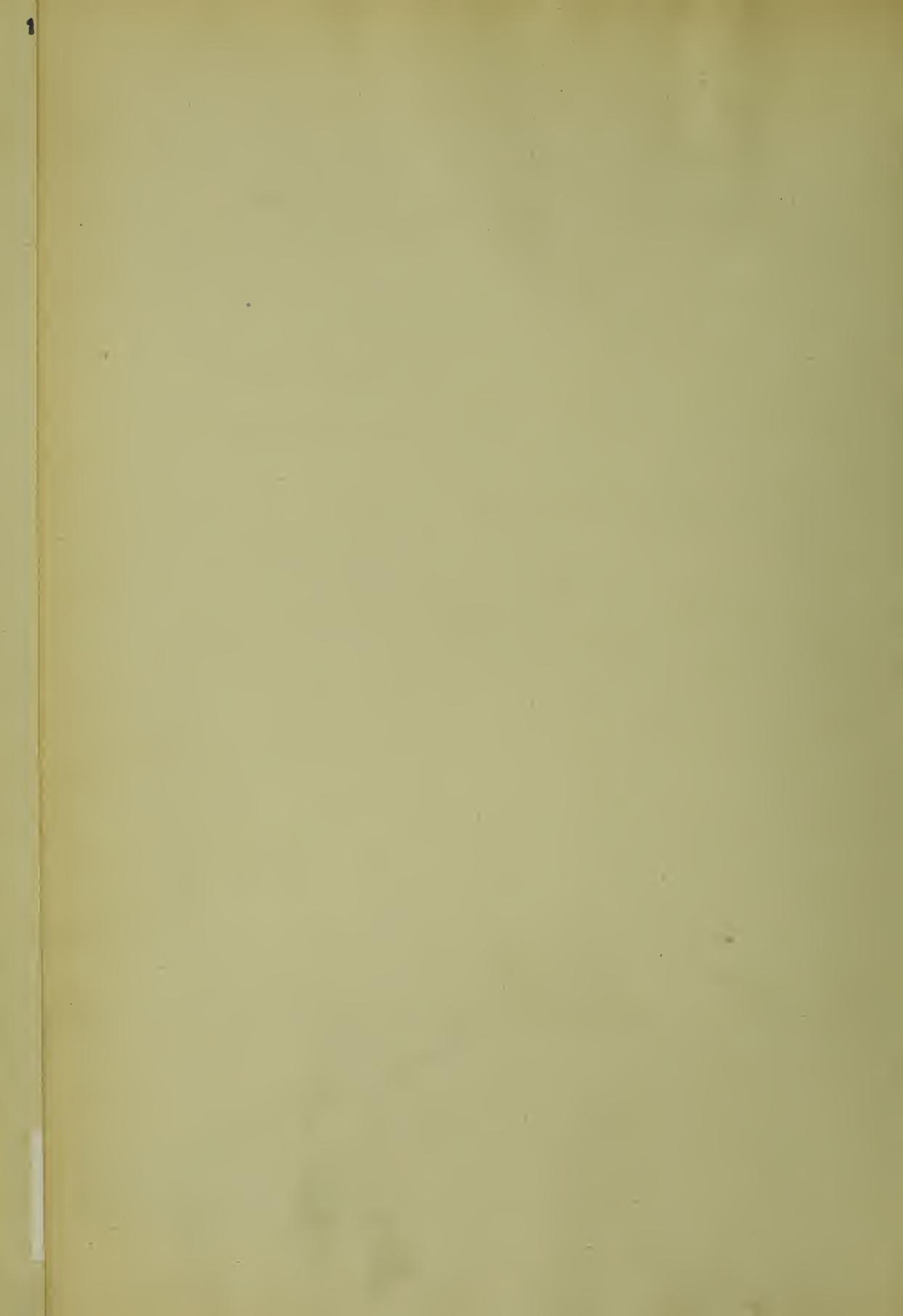


22102320706

Med

K23728





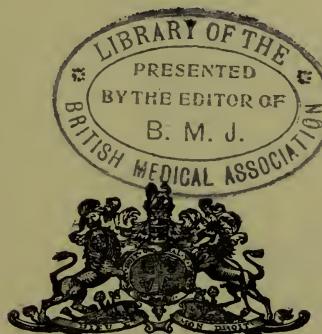
A
MEDICO-TOPOGRAPHICAL ACCOUNT
OF
AJMERE, RAJPUTANA

BY
Lt.-COLONEL P. DURRELL PANK,
INDIAN MEDICAL SERVICE,
RESIDENCY SURGEON, JEYPORE, LATE OFFICIATING CIVIL SURGEON, AJMERE,

WITH ADDITIONAL NOTES

BY
Lt.-COLONEL D. FFRENCH-MULLEN, M.D.,
CIVIL SURGEON, AJMERE.

1900.



CALCUTTA:
OFFICE OF THE SUPERINTENDENT OF GOVERNMENT PRINTING, INDIA.
1900.

CALCUTTA :
GOVERNMENT OF INDIA CENTRAL PRINTING OFFICE,
8, HASTINGS STREET.

14787586

WELLCOME INSTITUTE LIBRARY	
Coll.	welMOMec
Call	
No.	WA



P R E F A C E.

THE Medico-Topographical account of Ajmere is one of a series of reports, which are being prepared, under the authority of the Government of India in the Foreign Department, on the recommendation of the Agent to the Governor General in Rajputana, and of the Director General, Indian Medical Service.

With the approval of the Agent to the Governor General, the books are being edited by Colonel Hendley, Indian Medical Service, formerly Administrative Medical Officer, Rajputana, who suggested the preparation of the histories, and wrote the first one on the Jeypore State.

Accounts of the Alwar and Bikanir States, by Major Neilson, M.B., have been published by the Durbars concerned, and the history of Deoli and of the Deoli Irregular Force, by Major Woolbert, I.M.S., has also appeared. The general account of Rajputana by the Editor is also ready for publication.

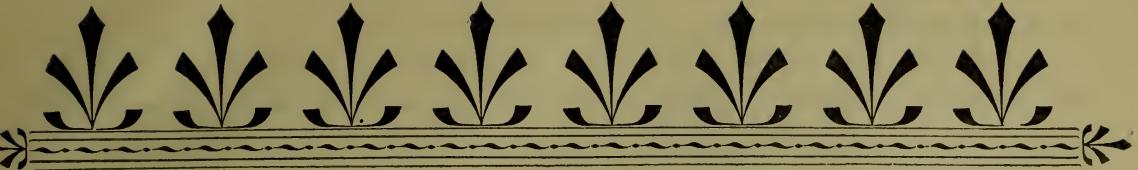
The Ajmere work was written by Lt.-Colonel Pank when he was acting as Civil Surgeon during the absence on furlough of Lt.-Colonel ffrench-Mullen who has therefore added a few remarks embodying his own experience of the station and district.

T. H. HENDLEY, *Col., I.M.S.,*
Inspector-General of Civil Hospitals, Bengal.

TABLE OF CONTENTS.

GENERAL DESCRIPTION	PAGE.	PAGE.
Boundaries of Ajmere-Merwara, Position on the watershed of Rajputana Rivers, 1. Artificial Tanks and Natural Reservoirs, Population of the District and Census Statistics, Description and Population of the City of Ajmere, 2.	1—4	
FORESTS	4—5	
Denuation of forests, Natural forest growth, Grasses, Reserves of fuel and Fodder, 5.		
DRAINAGE	5	
WATER SUPPLY	6—14	
Note by Superintending Engineer, History of Artificial Tanks in Ajmere, 6. List of principal irrigation tanks, 9. Ajmere city water supply, 10. Analyses of Ajmere water, 14.		
SANITATION	15—19	
City conservancy, Birat system, 15. Conservancy staff, 18.		
SLAUGHTER HOUSES	19	
MARKETS AND FOOD	19	
Price-list of Food-grains from 1818 to 1895, 20 to 23.		
LIGHTING	23	
DISPOSAL OF THE DEAD	23	
SANITARY IMPROVEMENTS IN AJMERE CITY	23—25	
STATEMENT OF DEATHS IN THE CITY OF AJMERE FROM 1877 TO 1891	26	
METEOROLOGY	28—46	
Rainfall table, 31. Summary of climatic conditions of Ajmere for each month of the year from 1881 to 1895, 32—43. Abstract of Meteorological Observations of a sunspot period of 11 years, <i>viz.</i> , from 1881 to 1895, 44. Climate of the District, 46.		
HOSPITALS AND DISPENSARIES	46—60	
General Hospital, 46. Railway Hospital and Dispensary, 47. Mission Hos-		
pital, 47. Branch Dispensaries, at Kekri, 48, Pisangan, 48, Ramsar, 48, and Deolia, 48.		
Table of attendance at the Ajmere Dispensary, 49.		
Table showing distribution of diseases for each month in Patients treated in the Ajmere Dispensary from 1876 to 1895, 50. Ditto at Kekri, 52, at Pisangan, 54, at Ramsar, 56, at Deolia, 58.		
MAJOR SURGICAL OPERATIONS	60—61	
MEDICAL CASES	61—65	
Smallpox, 61. Table of Mortality from Smallpox, 62. Other diseases, 63. Mortality Table, Ajmere City, 65.		
HEALTH OF EACH MONTH	66—68	
Table of monthly mortality from all diseases in Ajmere, Remarks on the general health of Ajmere City with notes on prevailing diseases from 1876 to 1895 . 69—71		
BIRTH TABLE WITH REMARKS UPON IT	71	
Birth rate of Ajmere, 72.		
CHOLERA	73	
Instructions for investigation in epidemics, 76. Statement of deaths from Cholera and Smallpox, 77. Mortality Tables from Cholera, 78.		
VACCINATION	80	
FAMINE	80—85	
Medical arrangements in famine, 80. History of famines in Ajmere, 82. Emigration in famines, 83. Relief works, 83. Poor Houses, 84. Irrigation, 85.		
LUNATIC ASYLUM	85	
EDUCATION	86—89	
Mayo College, 86. INSTITUTIONS IN AJMERE CITY, 87, and districts, 88.		
JAIL	90—95	
Ajmere Jail, 90. Establishment of Jail, 92. Earnings of convicts, 93. Mortality rate, 94. Number of prisoners, 96.		

	PAGE.	PAGE.
CHIEF TOWNS	97	Water-supply, 164. Vaccination, 167.
CIVIL SURGEON'S DUTIES	97	Conservancy, 171. Municipal Expenditure, 172. Conservancy Establishment, 173. Statement of work done by Conservancy tramway, 174. Statements of births and deaths, 175—187. Note by Major Spilsbury on the water-supply, 188. Statements of capacity, etc., of the Foy Sagar, 190. Analyses of Foy Sagar water, 191. Statement of births and deaths for 1896 and 1897, 192. Form of Daily Mortality Statement, 193.
LIST OF CIVIL SURGEONS, AJMERE	97	
List of Commissioners and Chief Commissioners, Ajmere, 99.		
METEOROLOGICAL TABLES from 1876 to 1895	102—161	
ADDITIONAL NOTES BY LT.-COL. D. FFRENCH MULLEN, I.M.S., CIVIL SURGEON OF AJMERE	162—193	
Vital statistics, 162. Public Health and Foy Sagar Water-supply, 163. Ajmere		



MEDICO-TOPOGRAPHICAL ACCOUNT OF AJMERE.

GENERAL DESCRIPTION.

AJMERE-MERWARA is an isolated British district in Rajputana, lying between $25^{\circ} 30'$ and $26^{\circ} 45'$ N. latitude and between $73^{\circ} 53'$ and $75^{\circ} 22'$ E. longitude, with an area of 2,711 square miles and a population, according to the census of 1891, of 542,358 souls.

The district comprises the two tracts known as Ajmere-Merwara, and is entirely surrounded by Native States.

Ajmere is bounded on the north by Kishengarh and Marwar, on the west by Marwar, on the south by Meywar, and on the east by Kishengarh, Jeypore, and Meywar.

The District of Ajmere-Merwara occupies the crest of the great Rajputana watershed, the rain which falls upon the summit finding its way either by the Chambal into the Bay of Bengal, or by the Luni into the Gulf of Cutch. The plateau on whose centre stands the town of Ajmere may be considered as the highest point in the plains of Hindustan; and from the circle of hills which hem it in, the surrounding country slopes away on every side—toward river valleys on the east, south, and west, or the desert region on the north. The Aravalli Range, which divides the plain of Marwar from the high tableland of Meywar, forms the distinguishing feature of the district. Rising first from the alluvial basin of the Jumna into the ridge at Delhi, this broken chain runs south-westward across the Rajputana States, and crops out to a considerable height near the town of Ajmere, where it assumes the form of several parallel hill ranges. The greatest elevation, on which is perched the fort of Taragarh, rises immediately over the city 2,855 feet above the sea-level and about 1,300 above the valley at its base.

Owing to its elevated position at the centre of the watershed, Ajmere-Merwara possesses no rivers of any importance. The Banas, its principal stream, rises in the Aravalli Hills 40 miles north-west of Oodeypore, and skirts the south-east border without.

entering the district; during the rains it becomes unfordable. There is a good ferry at Negria, which is kept up by the Public Works Department and is paid for by the Jeypore Darbar. Four other insignificant rivulets, the Khari Nadi, the Dai Nadi, the Sagarmati, the Saraswati, swell into violent torrents after heavy rains. The great tank embankments form the most interesting feature in the hydrography of the district. They are constructed by damming up the gorges of hill streamlets, and several of them date back to periods long anterior to the British occupation. As many as 419 of these valuable works now irrigate and fertilize the district, due in most part to the untiring energy and benevolent exertions of Colonel Dixon, who administered various portions of this district from 1836 to 1857. The tanks become dry by the month of March, and their moist beds are then cultivated for the spring crops. Four small natural reservoirs, scarcely deserving the names of lakes, are also found in the depressions of the sandhills, the most important of which is the sacred lake of Pushkar. The district was entirely denuded of trees long before the British period, but great pains have lately been taken for re-foresting the arid hill-sides.

The census of 1891 returned the population of Ajmere-Merwara at 542,358 souls; inhabiting 2,710 square miles, and distributed amongst 101,654 houses, with the following results:—persons per square mile 200, houses per square mile 37·5, persons per house 5·33. Of the total population, 288,325 were males and 254,033 females. According to religion the numbers were as follows:—

Hindus and Veds	.	437,988	Mussalmans	.	.	.	74,265
Jains	•	•	Christians	•	•	•	2,683
Sikhs	•	•	Others	•	•	•	270

In the two districts there were in 1891 four towns and seven hundred and forty-one villages; the average area of the towns was 10·1 square miles, and of inhabited villages 4·9 square miles in Ajmere and 1·9 square miles in Merwara. The population of Ajmere City is 68,843, and the increase since 1881 has been 20,108, or 41·2 per cent., namely, 36·3 per cent. of males and 44·2 per cent. of females. In 1837, the population of "Ajmere proper" was only 23,432. Hindus now number 36,729, Muhammadans 26,433, Jains 2,770, and the disciples of Arya Samaj number 1,097.

Muhammadans have increased 41 per cent. and Hindus by 39 per cent. The total population employed in, or dependent on employés of, the railway in Ajmere is 10,050; the railway, therefore, supports 14 per cent. of the total population.

Ajmere City dates from about 1210 A.D., and the main portion within the massive enclosure walls was probably very extensively built over a century ago.

The city lies to the north on the lower slopes of Taragarh Hill; and the view from the tops of the houses commands the whole valley. Outside the walls the city has gradually extended, and beyond the city extensions are the buildings of the railway staff and premises, which continue to about one and a half miles south of the city wall, and the houses of the railway officers and office employés are distributed on both sides of the valley. These, with the military cantonment, civil buildings, and all others without the city walls, are classed as the suburbs of Ajmere.

The population, according to the census taken in 1891, was, total population 68,843, comprised as follows :—

Inside city walls	41,416
Outside city walls	11,585
Suburbs	13,746
Cantonment	1,814
Railway passengers	282

That part of the city enclosed within its walls is about one mile in length, and about $\frac{3}{4}$ mile in breadth, and its area is about half a square mile. The city walls completely enclose it and average 12 feet thick by 20 feet high; it has five main entrance gates, and a few other entrances have been made through the city walls.

The plan of the city is evidently undesigned, and has, like most old cities, grown in the course of centuries to be very irregular, complicated, and overcrowded with buildings. There can be said to be only three main streets, two straight ones running north and south, the Naya Bazar and the Durgah Bazar, about 40 to 50 feet wide, and one running east and west very irregularly, about 25 feet wide, the Nullah Bazar, which latter carries off a great deal of the drainage and pours it into the Bisla tank.

Neither the Naya nor the Delhi Bazar penetrate much more than half the length of the town ; they end at the Nullah Bazar ; the blocks between these three main thoroughfares are divided up into irregular mohullas by tortuous and extremely narrow thoroughfares, which vary from 7 to about 15 feet, the majority not being over 10 feet wide ; and these mohullas themselves are subdivided by still narrower passages and gullies, some of which are only 3 feet wide.

The Ajmere style of building delights in projections over the streets and lanes of balconies, and into the road-way of steps and chabutras, and the absence of a proper detailed map demarking public from private property, and the impossibility of promptly detecting encroachments or even proving them, has led to the construction of such a maze of buildings and projections that a complete detailed survey of the town would now be a very difficult and expensive matter.

The two main streets, Naya and Durgah Bazars, are kunkur metalled and have side drains covered with chabutras ; the Nullah Bazar was laid with heavy paving about twenty years ago as the floods during the rains did much damage. The rest of the town is unpaved and more or less undrained by artificial means. Owing to the situation of the city the outfall is good and all surface water rapidly escapes. Consequent on the excessive overcrowding of the houses and the narrow lanes and gullies ventilation and perflation of air is very much impeded.

The city is divided into eight wards. The suburbs are much better off for streets, and there is far less overcrowding of lanes and houses, and consequently better ventilation and perflation of air.

The suburbs are divided into two wards.

An ordinary house in the city, of a well-to-do citizen or of a householder with a moderate income presents, the following features:—the house may be of two or three stories: on the ground-floor an open courtyard, generally of small dimensions, is surrounded by small, dark, ill-ventilated rooms; on this floor also, as a rule, one or two privies are built into the house; these lower rooms are frequently occupied by cows and goats, the family living in the upper stories; if facing a street, they are often let to shopkeepers; one or more drains traverse the courtyard and are there to carry off sullage and other dirty water. These drains are, as a rule, so badly constructed that they permit free percolation of water into the surrounding soil, as well as stagnation of putrid water; they lead to a cesspool of masonry, which is frequently nothing more than a hole in the ground. Into this courtyard is thrown, or conducted from the upper stories, some or all of the waste water of the house, and the effluvia or unhealthy exhalations arising from such an arrangement can be imagined. In a large number of houses this waste water is got rid of by unglazed earthen pipes or tin pipes fixed to the outside walls, and ending in a moveable receptacle which, when full, is emptied into the municipal conservancy cart. These pipes are very defective and often leak and so allow the dirty water to soak into the walls.

The upper stories of the house are comprised of rooms of two kinds: they are small, and are either completely open on one side and so are a kind of enclosed and covered in verandah, or an ordinary room of four walls with doors and windows, the latter being unglazed and closed by small shutters. These are the living rooms; they are generally much too small and are badly ventilated; in large houses these rooms face inwards to the courtyard.

The house is built entirely of stone, and in the hot season is unpleasantly warm and in the winter abnormally cold. In some houses the upper story is tile-roofed, which permits of freer ventilation. The stair-cases of these houses are of stone, are very narrow and badly lighted. The chief defects in these houses are small rooms, insufficient lighting and ventilation, and a badly arranged system of getting rid of waste water.

The privies are emptied daily by private sweepers in most cases, and by municipal sweepers in others; these men take the night-soil to the nearest conservancy cart.

FOREST.

In olden times the hills about Ajmere were probably covered with scrub jungle, and where the growth has been unmolested, as on the west side of the Nagpahar Hill, there are still some trees on the hill-side. With this exception, however, the Ajmere district was denuded of trees long before the commencement of British rule, and the Mahrattas are generally given the credit of the denudation. The parts of Merwara adjacent to Ajmere are described by Mr. Wilder, an eye-witness in 1819, as an "impenetrable jungle"; though now, except in the extreme south, where there is no local demand for wood and timber, and from whence carriage, till recently, was quite impracticable, Merwara is not much better off in this respect than Ajmere. The trees which existed could only have been scrub at the best, and the demands of the town of Beawar, of the Cantonment of Nasirabad, and for wood to burn lime for the tank embankments, joined to the absence of all attempts at replacing

what was destroyed, has left but few trees in any accessible part of the district, and wood of all kinds is exceedingly scarce and dear.

The following is taken from the Church Book, Nasirabad,—“The *Delhi Gazette* (of Agra) reprinting ‘A Plea for Tree Preservation in India,’ by Surgeon-Major William Curran, A. M. D., in its issue of 19th October 1877, has the following :—

“Mr. Baden Powell, in his able report on the Forest Department for 1872-73 pages 51 and 52, says—

“Denudation of forests has the most lamentable results. A good instance of this is afforded by the little British States of Ajmere and Merwara in Rajputana. * * *

“The hills were formerly densely covered with thorny jungle and with *Boswellia* and *Acacia*. They were so densely covered in fact that the wood was cut down because it gave shelter to bands of robbers. Charcoal burners and others did the rest, and now nothing remains but bare hills. Hence droughts and desolation have followed. * * *

Mr. Curran in a foot note quotes :—“Dr. Irvine as thinking that the growth of wood in the now bare hills of Ajmere would in time be highly beneficial to the health of the inhabitants, and he ascribes the excessive heat that prevails in that district to the destruction of forests that took place under the sway of the Mahrattas.”

“The General and Medical Topography of Ajmere, pages 63 and 75, by Dr. Irvine.”

The natural forest growth chiefly consists of the following trees and shrubs, *viz.*, Saler (*Boswoellia Thurifera*), Gol (*Odina Wodier*), occupying the summits and upper slopes of the hills ; Dhankra (*Anogeissus Pendula*), together with Kalia (*Albizzia Odoratissima*) and Khair (*Acacia Catechu*), lower down on slopes with a gentle gradient ; Kamta (*Acacia Rupestris*) at the base ; and Khejra (*Prosopsis Spicigera*), Arinja (*Acacia Leucophlœa*), Nim (*Melia Indica*), D’ansan (*Rhus Mysorensis*) and Khairi (*Dichrostachys Cinerea*) on the plains. The banks of most streams are fringed with Dhak (*Butea Grandosa*), Jaman (*Eugenia Jambolana*), Keim (*Nauclea Parvifolia*) and Gular. Of these trees Dhankra forms the best wood for fuel and charcoal, and also furnishes small timber for roofing huts ; Babul (*Acacia Arabica*) generally grows near village lands, and large sized trees supply wood useful for building and agriculture. Exotic trees are difficult to rear and will only grow near wells or where they can be artificially irrigated ; they are the Farash (*Tamarix Orientalis*), Siris (*Acacia Speciosa*), Gular (*Ficus Glomerata*), Tamarind (*Tamarindicus Indica*), Mohwa (*Bassia Latifolia*), Mango (*Mangifera Indica*), Sisham (*Dalbergia Sissoo*), the cork tree (*Millingtonia Hortensis*), Chirria (*Ponjamia Glabra*), Grevillia Robusta and Eucalyptus. None of these will grow on the hill slopes, and only thrive in good soil, while the necessity for irrigating the plants when young renders their nurture expensive.

The most common grasses are Mung (*Saccharum Sara*) growing on sandy soils, Sairan (*Ischoemum Saxum*), one of the best fodder grasses, Surwala (*Heteropogon Contortus*) or the spear grass, Bhangta (*Opluda Aristola*) and Lanpla (*Aristida Depressa*) an inferior grass.

In addition to the climatic advantages which are claimed as the results of forestration, the object of the Forest Department in Ajmere is also to form reserves of fuel and fodder and to afford pasture for village cattle in years of scarcity of fodder. Twenty-four tracts

aggregating an area of 89,178 acres or about 139 square miles have been taken up in Ajmere-Merwara. In the famine of 1891-92 grazing was allowed over all the forest reserves, and thousands of cattle, which would have otherwise perished, were saved.

DRAINAGE.*

The city of Ajmere is built on the slopes of the Taragarh hill and is thus provided with a natural surface drainage : the slope to the outer gates of the city is in places very steep, and in times of heavy rain the rush of water through the Madar Gate attains to a depth of two and three feet ; other than these natural flushings, which only occur in the rains and then perhaps not more than four or five times to any great extent, there is no system of drainage ; so that in Ajmere City, as in the great majority of Indian cities, the soil is daily and constantly polluted, and this has gone on since the city was built, and the soil is black, from the accumulations for centuries of decomposing and offensive matter. The surface water escapes by various channels which ultimately find their way to the Bisla tank, and the quality of the water of that tank can be imagined after an inspection of the city streets and lanes.

WATER-SUPPLY.†

"There is no permanent supply in the wells of the district ; they all depend upon the rainfall. In the Ajmere district, where the beds of the nullahs are sandy, a sufficient

* *Foot-note*—By the Secretary to the Agent to the Governor General in Rajputana "There is no system of drainage."

The description given in pages 3 and 4 of the present crowded and ill-ventilated streets, the construction and arrangement of the maze of houses and court-yards, foully insanitary, are evidence that no useful system of drainage is possible without a re-construction of the city. The climate of Ajmere is intensely hot and rainless for nine or ten months of the year and affords no water-supply for flushing of drains.

During the rains the town is scoured out periodically about half a dozen times. This cleanses the surfaces of court-yards and the street side drains, most of the latter having a steep slope. The court-yards and the portions of houses set apart for latrine arrangements remain foul all the year round; the sun is the great disinfectant for nine or ten months of the year. I do not consider that the soil and buildings of the Ajmere City proper (*i.e.*, within its walls) can be improved by any system of drainage. A great deal could, however, be done by removing the city wall, which at present encloses back premises and obstructs perflation of air, and by inducing people to remove outside into the suburbs. As buildings fall in they should not be rebuilt and all new construction, whether of balconies or houses within the town, should be entirely forbidden.

† *Water-supply*.—Budha Pushkar is the only lake which contained water during the famine of 1891-92. The water famine in Ajmere was then so severe that pipes were laid on to it and water was pumped up 300 feet over the ghat for a period of five months; the cost of pumping was very great, Rs. 4,000 to Rs. 5,000 monthly. The pipes used were those intended for the water-supply from the Foy Sagar. When the rains came and the Foy Sagar was ready, this special supply from Budha Pushkar ceased and the pipe system was taken up and relaid as part of the Foy Sagar scheme. It has been shown to be tolerably certain that in a drought similar to that of 1891-92 the Foy Sagar will fail, and recourse must be had again to Budha Puskar.

Budha Pushkar, however, could only be used as a water famine assurance in occasional years, as the cost of pumping is at other times prohibitive. The Budha Pushkar water has been analysed and condemned. It shows, however, a better analysis than that of the Foy Sagar. The Foy Sagar supply must of necessity be the usual supply in ordinary years. It is at any rate much better in quality than the old supply (from the Ana Sagar, and as it commands the city by gravitation, the daily cost of bringing it in is nominal. The leakage of the Foy Sagar might be utilised for the supply of the dhobies, cisterns. This, however, would involve pumping.

The Foy Sagar has as yet not filled and usually only collects one year's supply. In 1894 it did not rise during the rains.

The Ana Sagar is now so very shallow as to be of little use. It frequently dries up, and in so doing is very offensive.

D. JOSCELYNE, C.E.,
Supdg. Engr. & Secy, P. W. D.,
Rajputana and Central India.

amount of water is absorbed during the rains to supply the wells on either bank ; but wells can only profitably be made within a short distance from the stream, and beyond that stretches unirrigated land to the base of the hills on either side. In Merwara, where the beds of the drainage channels are rocky and the slope of the country greater, the rainfall, if unarrested, rapidly flows off into Marwar and Meywar, and but little benefits the country, as the soil is shallow and unretentive of moisture. The configuration of the districts with a more or less rapid slope from the watershed, rendered it imperative to provide for the retention of the rainfall by artificial means, while the undulations of the ground and the gorges, through which the hill streams had worn a passage, rendered it practicable to retain the rainfall by a system of embankments.

" The idea of such embankments was one which early presented itself to the minds of those conversant with the district. The Bisla tank was made by Bisal Deo Chauhan about the year 1050 A.D. ; his grandson Ana constructed the Ana Sagar. The tank at Ramsar was built by Ram Deo Pramar. In Merwara the large tanks of Dilwara, Kalinjar, Jowaja and Balad date from long before our rule. They are formed by a wide earthen embankment, generally faced on both sides with flat stones laid horizontally, and closing gorges in the hills. With ordinary care they will last as long as the hills which they unite, and their construction furnishes a substantial proof that before our rule the principles of subordination and co-operation were not unknown in Merwara.

" The tank embankments of the district at present number 419, of which 168 are in Ajmere, 183 in the Beawar Tehsil, and 68 in the Todgarh Tehsil. They have been often described, and Colonel Dixon in his 'Sketch of Merwara,' Chapter XII *et sequitur*, has given a very full account of them.

" With the exception of the few tanks constructed before 1818, and seven tanks built by Colonel Hall in Merwara, the remainder owe their existence to the unaided and untiring energy of one man who ruled Merwara from 1836 to 1842, and the united districts from 1842 to 1857, when he died at Beawar. The name of Colonel Dixon will be remembered in Ajmere and Merwara for many generations. For years he worked steadily at this single object without help or sympathy, and without much encouragement ; for, until the works were completed, they attracted but little attention, and the district was too remote to allow of the Government of the North-Western Provinces taking at first an intelligent interest in the work. With such help as his Tehsildars and a few trained chaprassies could give, Colonel Dixon constructed all these works, and it was only in 1853, when the tanks had been completed, that the appointment of an uncovenanted European Assistant was sanctioned. Nothing worthy of note was done after Colonel Dixon's death till the establishment of the Ajmere Irrigation Division of Public Works in the beginning of 1869. The tank which was constructed in 1870-72 at the Jagir Village of Bir is a fine example of the best class of masonry dam.

" Colonel Dixon was of opinion that the tanks had raised the water level of the country, and there is no doubt that subsequently to their construction wells were made in many

places where the experiment had been tried and proved unsuccessful. The opinion of a Committee assembled in 1874 to discuss the subject of water revenue assessment was that about half the wells in the district owed their supply to filtration from the tanks. Major Lloyd, Deputy Commissioner, writing in 1860, was of opinion that from the moisture preserved in the soil, and the great increase of vegetation they have helped to create, the reservoirs have been to some extent instrumental in causing the increased supply of rain which has been measured in the last few years.

" Nearly all the tanks are dry by the month of March, and the beds of the majority are cultivated for a spring crop. There is hardly any produce from the reservoirs themselves. Waternuts are not grown, fish are caught in the Ana Sagar and in the Ramsar and Nearan tanks ; but the people do not eat fish, and it is only in the Ana Sagar and the sacred lake of Pushkar that fish permanently exist, while religious prejudice prevents their being killed in the latter lake.

" Besides the artificial reservoirs, there are four natural reservoirs in the district, which, in less dry countries, would hardly deserve mention. These are the sacred lake of Pushkar and the lake known as old or Budha Pushkar near the former. Both are depressions among sand hills without any outlet, but exercise a considerable influence by percolation through the sand hills on the low sandy bottoms in their vicinity. In Merwara there are two natural basins, that of Sargaon and that of Karantia, both near Beawar. A passage for the escape of the water of the former has been cut through the encircling sand hills, and the bed is now regularly cultivated for the spring crop. That of Karantia lies amongst hills, and is of no use for irrigation."

The above is taken from Mr. La Touche's report on the Settlement of the Ajmere and Merwara Districts, published in 1875. The following is made up from notes very kindly supplied to me by Major E. C. Spilsbury, R.E., Public Works Department, Ajmere, and from notes on the sanitation of Ajmere by Mr. D. Joscelyne, C.E.

The number of tanks of the first class which are repaired by Government is as follows :—

Ajmere	.	.	.	.	.	.	.	.	119
Merwara	.	.	.	.	.	.	.	.	239
<hr/>									
					TOTAL	.	358		
<hr/>									

And the great difference in numbers between the two is due to the fact that in Ajmere there are a very large number of tanks on private estates, whereas in Merwara there are few or none of this class.

All the above are irrigation tanks and those in the vicinity of villages and towns, both influence the wells in their neighbourhood, and themselves form a source of supply of drinking water as long as water remains in them.

The greater number of these tanks become dry in the hot season as they, as a rule, are too shallow to last from one rainy season to the next, nor is the rainfall sufficiently large to ensure their being filled every year. After drying up their beds are cultivated.

The following are some details of a number of the principal irrigation tanks :—

	Name.	Capacity in million cubic feet.	Water spread in million cubic feet.	Greatest depth when full above sluice.	Clear catchment area in square miles.
AJMERE SUB-COLLECTORATE.	Kair	250	50	15	23
	Khanpura	53	12	11	16½
	Ladpura	87	14	10	7
	Tabiji	43	10	15	3
NASIRABAD SUB-LECTORATE.	Ramsar	312	55	12	20
	Bir	125	14	29	8
	Rajasir	43	45	26	2½
	Baroli (new)	136	20	12	20
MERWARA	Balad	224	27	18	13
	Jalia	378	46	13	5
	Chitar	61	21	17½	2½

AJMERE CITY.

Apart from the supply of water got from wells in the city and suburbs, Ajmere City depends solely on two tanks for its drinking water, *viz.*, Foy Sagar and Ana Sagar. The former was constructed in 1891-92 and the latter by Ana, grandson of Bisal Deo Chauhan some time in the twelfth century. The Foy Sagar is the more important of the two tanks as it supplies the city with drinking water. The Ana Sagar, which formerly supplied drinking water to the city, is now almost entirely used for other purposes, such as irrigation, water for dhobies' ghats, etc. In years of scanty rainfall, which happen in Ajmere more or less regularly every three years, these tanks run very low. The Ana Sagar sometimes dries up completely, and the Foy Sagar since 1892 has been very low, so that it is highly probable that some time or other these sources of water will fail, and then some other supply must be looked for. It is believed that such a source exists at Budha Pushkar, where there is a natural tank of water which has never been known to go dry. This tank is 6 miles distant from Ajmere, and water was brought to the city from this tank by means of water pipes and pumping machinery in 1892. This arrangement, which will doubtless have to be made permanent in the near future, will be utilized in times of water famine and when the Ana and Foy Sagars are exhausted. The Foy Sagar Reservoir is situated about 3 miles from Ajmere and was constructed during the famine of 1891-92, and opened in 1892,—the cost of construction and compensation for land taken up was Rs. 1,07,000, to which should be added Rs. 92,000, for the pipe line which was previously used for bringing water from Budha Pushkar to Ajmere.

The annual cost of maintenance, repairs, etc., to the tank, and of the whole system of water-supply including that of the Ana Sagar, amounts to Rs. 2,500; the following figures refer to the size and capacity of the Foy Sagar :—

Capacity when full—150 mill. cubic feet.

Greatest water spread—14 mill. square feet.

Depth above sluice when full—24 feet.

Catchment area—8 square miles.

Of which half a square mile is taken up by the lake when full.

Of the catchment area :—

$1\frac{3}{4}$ square miles consists of conserved forest area.

$1\frac{3}{8}$ " are under cultivation.

$4\frac{1}{8}$ " are ordinary jungle, mostly rocky.

There are two villages, Ajera and Kharekri, within two and three miles, respectively, of the nearest point of the tank.

The tank is almost entirely surrounded by cultivated land, which not only intercepts the flow off, but leads to pollution of the water; there is also a fair amount of traffic over the catchment area to and from the villages, so that on the whole the catchment area is by

THE CITY AND ENVIRONS OF AJMERE

To face page 10.

REFERENCES.

- Urinal, shown thus 
Latrine, " 
Pipe, " 
Stand post, " 
Wells, " 
Foul water cistern, " 

Scale 6 Inches = 1 Mile.



no means as uncontaminated as it should be. No villages, or road traffic, or cultivation of any kind should be allowed within the catchment area of this tank.

The water of the tank has been chemically analysed every month since December 1895, and is reported as unfit for potable purposes. This is because of the amount of albuminoid ammonia which it contains, and which may be due to decomposed vegetable matter within the catchment area, and which, as time goes on, may decrease.

The consumption for 1895 averaged 240,000 gallons per diem, and varied from 180,000 in January to 344,000 gallons in May. This included all water conveyed by the pipe for all purposes, including the railway. The Foy Sagar is calculated to contain, when full, a two years' supply of water, as used at present. There are two small filter tanks from which the water is conveyed to the town for distribution. They are utterly inadequate, and do not materially influence the purity of the water.

There are 124 public hydrants distributed throughout the city and station and 85 private house connections.

THE ANA SAGAR TANK.—This tank is now only used for irrigation purposes, and to supply the dhobies' ghats in the Bisla and for bathing purposes. Dhobies are not permitted to use the tank for washing purposes.

As the Foy Sagar now intercepts a large proportion of water, which previous to 1892 found its way into this tank, the Ana Sagar will not contain so much water or fill so often as formerly.

There is one other tank in Ajmere which calls for special notice, *viz.*, the Bisla, and the great importance of this tank is attached to the question as to whether it should remain empty or be allowed to hold water.

The best account of the history of this tank is to be found in Mr. D. Joscelyne's notes on the sanitation of Ajmere, and as this question of the advisability or otherwise of closing or opening the sluice of the Bisla has acquired the habit of being brought forward periodically, it is very necessary that the facts recorded by Mr. Joscelyne should not be lost sight of. This Bisla tank is probably one of the oldest, if not the oldest tank in Ajmere, and in Mr. LaTouche's Report on the Settlement of Ajmere and Merwara Districts it is recorded that the Bisla tank was made by Bisla Deo Chauhan about the year 1050 A.D. It lies in the direct water outlet of the valley in which the City of Ajmere is built, and was doubtless when first constructed, a very large and useful tank on which the city people depended for their tank water. Since the Bisla was built the Ana Sagar and the Foy Sagar have been constructed, and they intercept and retain a very large proportion of the water which comes from the open country and from the least contaminated sources. One source which is greatly contaminated, and the water of which it is no exaggeration to describe as sewage, still supplies the Bisla with water, and this source is the area to the north-east of Taragarh and which includes the greater part of the city of Ajmere; and when one remembers what the sanitary condition of an Indian city like Ajmere is, with a population of 69,000, and which until 1875 was not possessed of any system worthy of the name of sanitation, it is not to be

wondered at that surface water coming from such a source should be so contaminated. Any one wishing for ocular and nasal demonstrations of the condition of the water flowing from the city to the Bisla, should stand near the current as it sweeps along at the beginning of the rains.

Here follows what Mr. Joscelyne says in his "Notes" above referred to :—

"The cutting of the Bisla tank being a matter of great importance in its effects upon the drainage of the valley deserves careful consideration. Prior to 1883, the lower parts of the valley suffered considerably from excess of moisture. I lived in Ajmere from 1873 to 1875, and well remember that water could then be found in the centre of the valley quite close to the surface. The records show that as far back as 1872 great efforts were made to improve the drainage of the valley. Major Williams, who was then Irrigation Engineer at Ajmere, was called upon for a scheme, and he strongly advocated the necessity for cutting the Bisla as the only efficient remedy. As, however, the Bisla Tank was at that time the chief resort for dhobies, bathers, and cattle, this measure was strongly opposed by the Municipal Committee. As a temporary expedient, a fairly deep drain was cut down the centre of the valley from the Dowlat Bagh to the Bisla tank, at an estimated cost of about Rs. 7,000. This was an improvement, but until the Bisla tank was drained in 1883, the centre of the valley was very much water-logged.

"The map shows that the water spread of the Bisla tank occupies the very heart of the valley. The dam being constructed across the valley, this tank receives nearly the entire drainage of the Ajmere City and Suburbs. It will be readily understood that the water thus collected was of a foul description, and only fit for irrigation. For several months after the rains, and especially during the months of still hot air (September and October and part of November), this large pool of foul stagnant water gave out unwholesome exhalations as well as unpleasant odours while drying up. As the suburbs of Ajmere extended, this tank became surrounded by dwelling houses occupied chiefly by the Railway officers and employés. The tank then became such an intolerable nuisance that in August 1883 a Special Committee was convened by the Assistant Commissioner to report upon it. The President was Major O. M. Creagh, Commanding Officer of the Merwara Battalion; and the members were Doctor Newman, Civil Surgeon of Ajmere, Doctor Willmot, Surgeon, Rajputana-Malwa State Railway, C. Target, Esq., Executive Engineer, Ajmere Provincial Division, and Campbell Thomson, Esq., Executive Engineer, Rajputana-Malwa State Railway. The opinions of four Medical Officers were taken, *viz.* :—

Dr. Willmot, Principal Medical Officer, Rajputana-Malwa State Railway.

Dr. Newman, Civil Surgeon of Ajmere.

Dr. Husband, Medical Missionary.

Mr. Pierce, Apothecary, Rajputana-Malwa Railway.

"Their opinions (attached to this report as Appendix B) unanimously condemned the take and recorded the necessity for draining it in order to render the adjacent dwellings safe for habitation. Dr. Newman adds in his report: 'I think it also affects the ground between the Bisla and the Ana Sagar by forcing back the sub-soil water and keeping

the ground damp. The sites near have always been considered unhealthy and were avoided until pressure of space obliged people to build there.' These opinions were given on oath before the Assistant Commissioner. The Special Committee were unanimously of opinion that, both for sanitary and engineering reasons, this lake should be drained at once before more rain falls. These proceedings were forwarded to the Local Administration and also a resolution of the Municipal Committee, to drain the lake. The escape was cut, I believe, as an urgent measure, in anticipation of the sanction of the Chief Commissioner, which was subsequently received. The tank has thus remained dry since August 1883. From complaints which have reached me on every hand during the past four years, I learn that the cutting of the Bisla is considered to have injuriously affected the well level throughout the valley. Unfortunately I have no recorded data of well levels prior to 1883 to afford a fair comparison with subsequent levels. There is only a record of wells at the close of the rains in 1882."

"As many persons seem desirous of rebuilding the Bisla dam in the hope of improving the water-supply, I have thought it necessary to record its history. The tank was formerly used, as most tanks are, for bathing, watering cattle, washing and dyeing of clothes, for irrigation, and for drinking purposes. If it be restored, it will certainly be so used again. The new masonry cisterns in the Bisla meet all the wants of the dhobies, and the cattle trough also meets the question of watering of cattle. These and the new bathing ghats will be described subsequently in the report. I do not see how any sanitary engineer could recommend the restoration of the Bisla. It has been suggested that foul drainage from the town should be diverted, so as not to flow into the tank, and that only fairly clean water from the eastern side of the valley, and the occasional overflow from the Ana Sagar ake, be stored in it. In my opinion this proposal, though possible, is infeasible. The land to the west above the Bisla is so crowded by buildings, and the railway premises that a diversion channel could never be sanctioned, and even if carried out, the Bisla supply thus limited would be insignificant."

The danger of this tank, when allowed to hold water, to the city and cantonments of Ajmere, after a careful consideration of the foregoing facts, cannot be questioned; and the only reasons which can be adduced in favour of allowing it to hold water, are, that wells in its vicinity are more liable to go dry, and that some land near the area of the tank is less productive; these reasons are trivial and insufficient when compared with what happens when the bund is intact and liquid sewage is allowed to flow into the area of the tank, namely-water-logging the land above the tank and up to the Dowlat Bagh, and the dangerous menace to the health of those living on and in the vicinity of that land.*

The following table shows the analysis of all the principal sources of drinking waters used in Ajmere.

* In this opinion I fully concur after 26 years' knowledge of Ajmere.—T. H. HANDLEY.

Statement showing the results obtained on examination of certain samples of water by the Chemical Analyser.

NAME OF WELL OR WATER.	GRAINS PER GALLON.		AMMONIA RESULTS, PARTS PER MILLION.		REMARKS.
	Solids.	Chloro-tine.	Free.	Albuminoid.	
In pure, wholesome drinking water ought not to exceed.	8·0	1·0	·02	·08	See the Officiating Civil Surgeon, Ajmere's No. 344, dated 24th June 1884.
In usable water ought not to exceed .	30·0	3·0	·05	·10	
<i>Samples sent on 26th May 1884.</i>					
A. Ana Sagar lake water (Filtered) .	76·3	22·05	·59	1·70	Both are quite unfit for potable water. See the Chemical Analyser to Government, Bombay's No. 529, dated 14th June 1884.
B. Ditto (Unfiltered) .	74·2	22·40	1·39	1·80	
<i>Samples sent on 10th December 1887.</i>					
A. Ana Sagar lake water from Bathing ghat, unfiltered (Ram Prasad's).	30·10	8·26	·02	1·04	Unfit for potable use. See the Chemical Analyser to Government, Bombay's No. 1267, dated 27th December 1887.
B. Do. opposite Weir do .	28·00	8·33	·02	1·22	
C. Do. old Dhobies' Ghat do .	28·70	8·26	·02	1·24	
<i>Samples sent on 21st December 1887.</i>					
1. Bhatyara Kua	43·40	6·58	6·66	·46	Quite unfit for potable purposes.
2. Katun Baori	27·30	1·82	·48	·35	Ditto,
3. Jhalra	46·90	5·60	·02	·23	Doubtful quality.
4. Shuker Kui	72·80	21·28	·21	·29	Quite unfit for potable purposes.
5. Diggi	21·00	3·36	·02	·17	Not quite so good as No. 7.
6. Dhudia Kua	59·50	15·54	·21	·28	Quite unfit for potable purposes.
7. Shorgaron ka-Kua	30·10	4·90	·02	·10	Good potable water.
<i>Samples sent on 11th October 1886.</i>					
Madar Hill Well No. 11	11·00	1·75	Traces only.	·14	All these waters contain too much organic matter as the amount of albuminoid ammonia shows. The water from Madar Hill is not so bad as the others, and might be used for drinking, if no better can be obtained. See the Chemical Analyser, N.-W. P.'s No. 345, dated 15th October 1886.
Mir Shah Ali Well No. 24	15·00	4·90		·18	
Regimental Garden Well No. 3	20·00	50·70		·26	
<i>Samples sent in August 1886.</i>					
Pratab Mall's Well No. 22	170·00	43·80	1·30	2·10	Quite unfit for drinking water. See the Chemical Analyser, N.-W. P.'s No. 280 of 18th August 1886.
<i>Analysed on 26th September 1896.</i>					
Foy Sagar water from City Hydrant .	14·0	2·1	·05	·36	Unfit for potable purposes.

See the Chemical Analyser to Government, Bombay's No. 18, dated 9th January 1888.

SANITATION.

The following is taken from "Notes on the Sanitation of Ajmere," by D. Joscelyne, Esq., C.E., 1888, which is a very valuable contribution to the subject, and should be carefully consulted when improvements or alterations in the sanitation of Ajmere are contemplated :—

"The Conservancy of Ajmere has been a very troublesome question for many years past, and the records shew that the local authorities have, since 1876, perseveringly endeavoured to improve the state of the town and valley. The collection of night soil in the city has always been in the hands of sweepers, who are employed and irregularly paid by private individuals in the town. This system has never been controllable, and is as objectionable now as it has always been. The cleansing of the outskirts of the city and suburbs and the houses of the poorer classes, is mainly undertaken by the municipal conservancy staff; private sweepers also do some of the work. The disposal of the stuff for years baffled the ingenuity of the municipality. The new tramway system opened in May 1886, at a cost of Rs. 84,000, solved this part of the problem. Prior to 1876 night soil was trenched in open places in and about the city, and upon the fields in the valley. In 1876 it was trenched in a confined area above the north-west of the town, before referred to as the "Lungya." The drainage from the hills passes over this site, and there are drinking wells below it. This place soon became filled up, and the practice of removing the night soil to trenches and pits near the city continued up to the time the tramway was opened, though latterly much was carried 3 miles away on the Nasirabad road. The cart system quite broke down, and trenching in the valley, as the Suburbs extended, became a serious nuisance. With the present tramway system the difficulties of carriage and of a suitable and sufficient trenching site disappeared. If the collection was equally well done there would be little to complain of in the present conservancy establishment. The collection is performed, in the case of private houses and private latrines, entirely by a class of men known as "Birat" sweepers, who are in the pay of the tenants and householders. The public latrines and urinals are cleared by the special municipal staff. "Birat" sweepers are a hereditary class who have always undertaken this work for private individuals. They are in no particular employ, but receive renumeration, more or less gratuitous, chiefly in kind, sometimes in small sums of money. The advantages of the Birat system of collection are :—

1. Its cheapness. The municipality would have to pay heavily for a similar staff of regular workers.
2. These time-honoured servants can obtain access to private dwellings more readily than the paid servants of a municipality.
3. It is, in an imperfect way, controllable by the people who are benefited, and whose interest it is to have their places cleaned.
4. The people benefited pay for it, and the payment being mostly in kind, falls very lightly upon them.

It disadvantages are evident :—

1. The Birat of each family of sweepers is so scattered and the work is so unequally divided that it cannot possibly be effectually done. Some Birats are much more valuable than others, and the hereditary owners of these naturally will admit no one to share in their "Birats" if they can possibly avoid it. One Birat family has as many as 705 houses in wards 3, 5, and 6, another has 259 houses in wards 1, 2, 3, 4, 5 and 6, and one has as few as 10 houses to look after.
2. It follows from the above that the municipality has very little control over these men. The sweepers object to employ extra labour to do the work of a too large Birat, and the householders say they pay as much as they can afford. Of course, complaints are rarely made, as they might lead to investigation of private premises, a thing which is disliked of all others, so that residents accept their discomforts, and are at the mercy of these men. The payment in kind or in money to the owners of Birats is so indefinite and irregular, and due from so many persons, that there is practically no individual control over the sweepers nor over those who ought to pay them.

3. The Birats are so entangled that it is very difficult to trace neglect to the party in fault."*

From a note written by the Judicial Assistant Commissioner, Munshi Ameer Chand, in May 1877, I quote the following particulars :—

"At that time one-fourth of the houses had no Birat sweepers at all, and the wages of each sweeper was estimated in kind and in money to average about Rs. 4 or Rs. 5 per month. The number of sweepers were then estimated at 280, and the aggregate incomes at Rs. 16,800 annually. I have no reliable estimate of the numbers of sweepers at present. The list attached shews 97 sweeper families (or say about 300 persons), the income per family per month varying from two annas three pies up to Rs. 21-7-2, plus *chuppatis*, etc., in kind. Many of the poorer houses employ no sweeper at all, and there is little doubt that householders are as apt to shirk their payments to the sweepers as the latter are to shirk their work. The sweepers live far from their work on the outskirts of the city. At present the smaller streets and back premises in the city are very much neglected, and I have received many complaints during my inspections. I regard the present system as impossible of control by any staff of Inspectors or conservancy peons.

"A sweeper has occasionally been prosecuted, with the result that the Honorary Magistrate either acquits him or imposes a nominal fine, which is too readily paid. The householders, who keep their premises filthy and neglect their debts to the sweepers, are rarely, I might say never, prosecuted, and get off scot-free.

"It is only just to the conservancy staff to add that, since the opening of the tramway in 1886, more scavenging has been done. The Birat sweepers take their loads in baskets or on bullocks to the collecting station of the tramway, and there deposit them into the wagons. As a register is kept of the wagons filled, and no night soil is allowed to go elsewhere, there is thus a rough check upon collection. Baskets and bullocks are not good means of carriage, but most of the streets are so steep, narrow and irregular, that no other

* The Birat system prevails in the great native capitals throughout Rajputana, and presents similar advantages and disadvantages.—T. H. H.

way seems possible. It is very desirable that as the city extends towards and in the Kaisarganj, the Birat system should be either discontinued or regulated. Without the city there are about 100 sweepers, partly Birat and partly private men, who are paid by house and hut residents. I would suggest that the matter be thoroughly investigated, with a view to effecting a redistribution of the "Birats" and placing the men directly under the control of the municipality. Nothing short of this will be of any use. Payment might be made by the persons benefited as before, but if this cannot be reasonably controlled and enforced, so as to do justice to the sweeper class, it will be necessary for the municipality to take over the entire staff. This may or may not involve the purchase of the "Birats" and their redistribution by resale in workable divisions. A fair charge could be realised from owners of private latrines and cesspools, who would pay for their privilege. A small tax, averaging Rs. 2 per year per latrine and cesspool (or three annas a month), would more than suffice. With the present unreasonable system, neither the owners of house nor the sweepers can justly be called to account or controlled. The disposal of night-soil from the city, suburbs and railway is carried out through the agency of the new conservancy tramway with the following exceptions :—

1. Ajmere jail to do their own trenching near the jail.
2. Merwara Battalion Lines to do their own trenching near the Lines.
3. Mayo College Park to do their own trenching near the Park.
4. The 1,600 to 2,000 huts near the railway and in the valley have no conservancy arrangements.

The chief advantages of the tramway system are :—

- (a) The night-soil is removed to one place, at a safe distance from the city and valley.
- (b) The collection being at one place, the total daily work done is known, and easily supervised.
- (c) It is prompt and cleanly.
- (d) The trenching ground will eventually become a valuable property.

"Carts bring their loads in a removable body to the collecting station, where the body is transferred to the wagon frames on the tramway. Birat sweepers and bullocks also bring their loads direct to the tramway wagons. Trains of nine wagons each are taken down the line to the trenching ground by one pair of bullocks ; the 'bodies' of the wagons are tipped into trenches, and the wagons returned to the collecting station by the same bullock power. Each wagon receptacle contains 18 to 20 cubic feet of stuff. With the present system of basket and bullock removal of night-soil from otherwise inaccessible premises in the city, it is unavoidable that a very great deal more material has to be carried by the tramway than would be the case if carts could traverse the streets and be filled direct. Ashes and sweepings are necessary to render this method of carriage possible, and probably three or four times the actual quantity of night-soil has to be

removed. This probably is counterbalanced by the lessened quantity of liquid carried away, as by the absence of urinal accommodation, and the wretched condition of private latrines and cesspools, a large residue goes into the soil of the town. The quantity is, however, increased by bathing and washing water. At present 1,350 cubic feet of solid and 900 cubic feet of liquids are daily carried away by the tramway. This compares favourably with the old cart system, when some 60 carts only were employed, and did perhaps half of this work without removing the night-soil to a safe distance from the City. The tramway has now been at work without intermission for nearly two years, and has never failed in its work. For some time the work increased, necessitating extra carts and rolling stock. The present daily average of 125 wagon loads was reached about eight months ago. A few more wagons under frames are required to facilitate removal to the trenching ground. For removal to the trenching ground by the tramway system, the residents in private houses in the suburbs pay 5 per cent. on their rental, in addition to their private sweeper establishment. The house owners of the city get the tramway for nothing; they only pay for their private arrangements of Birat sweepers for collection. Many persons, perhaps one-half of the town, pay nothing whatever for either collection or disposal."

The following is the conservancy staff employed by the municipality (1896):—

1 Inspector.

2 Sub-Inspectors—1 for City and 1 for the Suburbs and Railway.

4 Jemadars—2 for the City and 2 for the Suburbs and Railway.

20 Peons—2 of whom feed conservancy bullocks, 3 are orderly peons and 15 look after a staff of 581 sweepers, *viz.*, 500 Birat and 81 Municipal.

81 Sweepers—58 for 34 public latrines, 12 for urinals and 11 for roads.

5 Bhishties—4 of whom supply water for washing out the latrines and urinals, and 1 for watering the bullocks.

37 Cartmen—of whom 22 are for the public latrines and urinals and for private houses and 15 for road sweepings.

Since Mr. Joscelyne's notes were written in 1888, the following sanitary improvements have been carried out:—

1. The City moat has been entirely filled in with earth, road sweepings, etc., and is being planted with trees.
2. The Masuda tank is being filled up with road sweepings, and the work will be completed in about two years.
3. The Malusar tank water is not now used for drinking water.
4. The Lungia tank is now drained and the tank is not allowed to store water.
5. The public urinals have been increased from 17 to 38 in the city, and from 3 to 6 in the suburbs, but more are still required.

The public latrines are as before. Since Mr. Joscelyne drew up his notes, private latrines in the city and suburbs have been much improved. All new latrines are better designed and built. No register is kept to show the exact number of latrines.

6. A large number of small cesspools have been removed, and no new cesspool is now permitted under the wall drain pipes below the ground level.

All sullage and liquid sewage is now collected in tubs or iron vessels placed under the drain pipes and the ground polluted as little as possible.

Earthen and tin pipes are discouraged, and iron drainage wall pipes substituted.

7. All tanneries have been removed outside the city.

8. Portions of the city wall have fallen and have not been replaced; other portions have been removed.

9. Many large collections of huts have been removed, and new colonies discouraged.

10. The Birat system is given up in some mohullas and the scavenging is done by the municipality, an arrangement which has given great satisfaction.

11. The introduction of drinking water from a distance from the Foy Sagar, in 1892, by pipes to all the principal streets, and to many private houses, is also intimately connected with late sanitary improvements.

If a comprehensive system of city conservancy could be instituted, which would bring every sweeper, "Birat" or other, directly under the municipality, great good would ensue; and no other plan will be successful which does not place all sweepers entirely under efficient supervision and control.

SLAUGHTER-HOUSES.

There is only one slaughter-house for sheep and goats, and this is outside the city near the Delhi Gate. The slaughter-house is under the supervision of an Inspector.

There is a prohibition against killing beef in Ajmere. It can be got from Nasirabad, where it is provided for the English regiment stationed there.

MARKETS AND FOOD.

Meat is sold in many of the main streets of the city and suburbs, and in the Kaisar Ganj division is a properly built meat market. It is proposed to build another market in Cavendishpura.

There is no proper fruit and vegetable market in the city, vendors using the streets for selling these articles of food. There are shops constituting a sort of market near the Madar Gate. A properly built vegetable and fruit market would be a great benefit to the city, and the municipality have proposals under consideration for building a suitable market.

Grain is sold all over the city in small shops, and the great market for grain of all kinds is the Dhan Mundi.

The following table shows the average prices of food-grains sold in Ajmere from 1818 to 1895:—

Price of food-grain in Ajmere from 1818 to 1895.

YEAR.	SEERS PER RUPEE.			Years of famine or scarcity.
	Wheat.	Barley.	Maize.	
1818	14	22	22	Scarcity.
1819	15	26	27	
1820	13	21	24	
1821	16	22	28	
1822	21	30	36	
1823	21	38	46	
1824	20	35	36	
1825	17	21	21	
1826	21	29	29	
1827	25	42	49	
1828	27	52	69	
1829	25	45	51	
1830	26	39	44	
1831	26	38	39	
1832	32	55	68	
1833	25	38	35	
1834	12	18	19	Scarcity.
1835	17	29	33	
1836	22	33	33	
1837	22	29	32	
1838	18	24	23	
1839	17	23	24	

Price of food-grain in Ajmere from 1818 to 1895—contd.

YEAR.	SEERS PER RUPEE.			Years of famine or scarcity.
	Wheat.	Barley.	Maize.	
1840	11	20	22	Scarcity.
1841	15	25	26	
1842	19 $\frac{1}{2}$	25	30	
1843	20	28	28	
1844	18 $\frac{1}{2}$	28	28	
1845	18	28	28	
1846	19	28	30	
1847	19	26	30	
1848	14	19	22	
1849	14	19	23	
1850	18	22	28	
1851	21	29	29	
1852	22	33	34	
1853	24	33	33	
1854	27	30	31	
1855	24	35	35	
1856	24	38	38	
1857	26	39	26	
1858	27	42	38	
1859	24	34	33	
1860	18	28	25	
1861	17	21	21	
1862	14	23	20	
1863	14	20	17	Scarcity.

Price of food-grain in Ajmere from 1818 to 1895—contd.

YEAR.	SEERS PER RUPEE.			Years of famine or scarcity.
	Wheat.	Barley.	Maize.	
1864	14	22	19	
1865	11	19	18	
1866	12	17	16	Scarcity.
1867	13	20	18	Scarcity.
1868	13	18	16	Scarcity.
1869	6	8	6	Famine.
1870	9	15	15	Scarcity.
1871	13	21	20	
1872	15	25	26	
1873	14	22	22	
1874	13	17	15	
1875	16	23	22	
1876	19	29	30	
1877	16	24	25	
1878	10	15	13	Scarcity.
1879	11	18	16	Scarcity.
1880	15	24	24	
1881	16	25	26	
1882	16	23	22	
1883	15	23	21	
1884	16	23	24	
1885	19	28	30	
1886	16	28	29	
1887	11	19	20	Scarcity.

Price of food-grain in Ajmere from 1818 to 1895—concl.

YEAR.	SEERS PER RUPEE.			Years of famine or scarcity.
	Wheat.	Barley.	Maize.	
1888	12	16	14	Scarcity.
1889	14	19	19	
1890	14	19	21	
1891	11	16	16	Famine.
1892	11	17	17	Scarcity.
1893	13	22	25	
1894	14	27	27	
1895	13	22	21	

LIGHTING AND DISPOSAL OF THE DEAD.

LIGHTING.

All the principal streets, lanes, and roads of the city and suburbs are lighted by oil lamps. There are about 400 lamps in all.

DISPOSAL OF THE DEAD.

There are two grave-yards for Europeans, Eurasians and Native Christians. They are some distance from the city and habitations, and are under the supervision of the Chaplain. The Muhamadan grave-yards are on all sides of the city; most of them are close to the inhabited portions of the city, and are very objectionable. The question of removal to other and more favourable sites is taken up by the municipality on every available opportunity. The burning-places of the Hindus are at Unda Bala near the Somalpore road to the south of the city, and the other is at Lungia near the Pushkar road. These places are well situated.

SANITARY IMPROVEMENTS IN AJMERE CITY.

Between 1870 and 1880 repeated and continued attempts were made to secure a satisfactory disposal of city refuse, which at first was simply buried in pits at different times (the exact date not being available). Trenching was tried, and the removal of sewage to a distance, where it was stocked and covered with a thick layer of earth, in the expectation that after a time it would be purchased, when desiccated, by gardeners. These plans having failed for various reasons, it became necessary, as the only means by which to meet the difficulty of keeping the continually enlarging city clean, to provide a tramway service for

the removal of sewage. Before the actual construction of the tramway some changes were made which require notice, *viz.* :—

In 1883, the Bisla Tank, which was considered to be the cause of a large area of swampy marsh in the middle of the station, and to prevent thorough drainage, was abolished, and a large reduction in the number of cases of malarious fevers followed. In this year a scheme to supply the city with filtered water from the Ana Sagar lake, distributed by pipes, having been adopted, the necessary works were begun.

In 1885, the laying of a tramway from the city to a trenching ground three miles distant was commenced.

In 1886, the tramway, having been completed, was brought into use, and has since worked very successfully.

In 1887, the washing of clothes in the Ana Sagar lake having been prohibited, ghats and tanks for the use of the washermen were erected at a distance and connected by pipes with the Ana Sagar lake.

In 1888, all tanneries which existed within the city walls were removed to a position outside, and no offensive trades are now permitted inside the town.

In 1889, to obviate the nuisance and danger resulting from the common use of masonry cesspools existing in nearly every house, the use of these was proscribed, and the substitution of removable iron receptacles ordered, and in a very large proportion of cases effected.

In this year the water-supply works were finished and brought into operation.

In 1890, the city latrines were reconstructed on improved principles, and a number of huts existing under insanitary conditions were removed.

In 1891, the Foy Sagar scheme, to still further secure a larger supply of purer water, was sanctioned, and was afterwards completed, and is now the main source of water-supply to the city. A plan for the erection of model quarters for a large number of work-people was passed.

In 1892, filth carts were not allowed to traverse the main roads. The main drains of Kaisar Ganj were paved for half their length.

In 1893, the system of removing foul water in earthen "gharas" carried by sweepers, instead of by the conservancy carts passing through the city, was introduced and worked satisfactorily. All privies in private houses at Taragarh were improved. Public drains in Kaisar-ganj and part of the Naya Bazar drains were paved and made on an improved design. Many old huts situated on the Nasirabad road were demolished and no new huts are now allowed to be erected there.

The Jail and the Merwara Battalion were supplied with water from the Foy Sagar by means of pipes.

In 1894, the system of throwing into the streets the waste water of cisterns attached to the hydrants in narrow streets of the city was discontinued, and arrangements were made to cart the water outside the city.

The slaughter-house outside the Delhi Gate, which was very insanitary, was reconstructed and made sanitary.

The city moat was filled up and the ground is now planted with trees. About fifty old huts on the Nasirabad road were removed.

In 1895, an improved pattern of cart was provided by the municipality for the removal of foul water from the city, which proved useful.

Owing to the opening of a new General Hospital near the Government Telegraph Office, a new road from the City Branch School to the Telegraph Office was made. The road is of great use to the city people going to and from the Railway Station, as well as opening up an overcrowded part of the city.

One new iron latrine was erected outside the Madar Gate, and one iron urinal was substituted in place of a masonry one.

It may be added that of late every endeavour has been made to keep the city clean, to fill up old pits and all old graves, and a strict watch is maintained on the working of the sanitary system.

It will be seen from the statistics which follow, that as regards fevers, bowel diseases (dysentery and diarrhoea) and cholera, a very marked diminution of disease has ensued which may justly be attributed in a great measure to the above-mentioned sanitary measures. The population of the city and suburbs has increased to a remarkable extent during the last twenty-five years. In round numbers the population, excluding the Jail, Regiment, and Mayo College, was 26,000 in 1871 ; in 1881 it had risen to 48,500, and in the early months of 1891 it was found to be 66,000. Bearing these facts in mind, there is shown a marked diminution in the incidence of the diseases mentioned, and this is most strikingly evident within the last ten years, during which improved sanitary conditions have been enjoyed.

Again, the number of deaths, calculated in ratio to population has of late years, and since sanitary improvements have been effected, shown a striking decline, and the diminution must in fact have been much greater than that indicated, as it was not possible to take into account, when working out the averages, the persistent yearly increase in the number of inhabitants.

For the first ten years the ratio refers to a population of 26,000 only, but during the lapse of that period it was constantly augmenting, so as to reach in 1881 a total of 48,500, and for the following decade the yearly difference was even greater, as the census taken in 1891 shows the population to be in that year 66,000. The true averages, therefore, must be much below those given.

The construction of the Rajputana Railway in the first instance, and the erection of large central workshops in Ajmere afterwards, have been the main factors in causing the enormously increased population above referred to. They were both fully operative in 1879, and the statistics furnished fairly prove that not only have the increased needs of a population, almost trebled in 20 years, been successfully met, but that, moreover, the general health is now much better than it was in the earlier years of the period above noted. Diminution of disease and a lowering of the death-rate averages have, in Ajmere, followed closely on the provision of an improved sanitary system, to which it is not unreasonable to attribute such good results.

Statement of deaths registered in the City of Ajmere

YEAR.	CHOLERA.			SMALL-POX.			FEVERS.			BOWEL COMPLAINTS.			INJURIES.		
	Ajmere Town.		Ajmere Suburb.	Ajmere Town.		Ajmere Suburb.	Ajmere Town.		Ajmere Suburb.	Ajmere Town.		Ajmere Suburb.	Ajmere Town.		Ajmere Suburb.
	Ajmere Town.	Ajmere Suburb.		Ajmere Town.	Ajmere Suburb.		Ajmere Town.	Ajmere Suburb.		Ajmere Town.	Ajmere Suburb.		Ajmere Town.	Ajmere Suburb.	
1877 .	..	..	..	314	74	388	457	210	667	187	39	226	15	9	24
1878 .	36	4	40	110	27	137	865	146	1,011	310	28	338	13	4	17
1879 .	15	..	15	27	2	29	783	62	845	191	14	205	37	1	38
1880 .	..	..	..	132	8	140	569	39	608	239	24	263	10	1	11
1881 .	5	10	15	4	..	4	577	28	605	57	7	64	1	..	1
1882 .	15	43	58	36	1	37	415	19	434	22	2	24	..	..	..
1883 .	33	17	50	27	2	29	280	13	293	55	3	58	3	..	3
1884 .	59	107	166	38	1	39	513	59	572	197	23	220	10	1	11
1885 .	21	42	63	168	24	192	477	139	616	232	41	273	21	7	28
1886 .	53	57	110	23	5	28	269	34	303	177	11	188	10	..	10
1887 .	68	23	91	2	1	3	232	25	257	157	4	161	15	..	15
1888 .	11	2	13	162	5	167	418	79	497	164	13	177	49	9	58
1889 .	8	21	29	102	42	144	435	154	589	114	23	137	60	13	73
1890 .	1	..	1	7	..	7	385	131	516	113	16	129	54	16	70
1891 .	21	26	47	306	51	357	461	223	684	167	54	221	112	60	172
1892 .	34	52	86	115	83	198	689	347	1,036	301	168	469	184	90	274
1893 .	..	..	..	33	1	34	611	228	839	110	25	135	74	30	104
1894 .	..	..	..	84	22	106	639	263	902	146	27	173	63	25	88
1895 .	16	3	19	119	9	128	833	299	1,132	110	67	177	127	75	202

from different causes from 1877 to 1891.

ALL OTHER CAUSES.			TOTAL DEATHS FROM ALL CAUSES.			RATIO OF DEATHS PER 1,000 OF POPULATION.			POPULATION.			Rainfall, in inches.
Ajmere Town.	Ajmere Suburb.	Total.	Ajmere Town.	Ajmere Suburb.	Total.	Ajmere Town.	Ajmere Suburb.	Total.	Ajmere Town.	Ajmere Suburb.	Total.	
334	68	402	1,307	400	1,707	41·38	113·05	48·60	31,583	3,538	35,121	11·76
459	43	502	1,793	252	2,045	56·77	71·23	58·23				31·05
300	20	320	1,353	799	1,452	42·84	27·98	41·34				27·05
221	6	227	1,171	78	1,249	37·08	22·05	35·56				18·54
24	2	26	668	47	715	16·47	5·47	14·55				21·30
7	7	14	495	72	567	12·20	8·38	11·54				27·24
19	1	20	417	36	453	10·28	4·19	9·22				17·40
159	15	174	976	206	1,182	24·06	23·98	24·05				27·04
141	38	179	1,060	291	1,351	26·13	33·86	27·49	40,559	8,592	49,151	24·77
90	10	100	622	117	739	15·33	13·61	15·04				15·34
56	7	63	530	60	590	13·06	6·98	12·00				21·93
100	17	117	904	125	1,029	22·28	14·54	20·94				24·42
239	59	298	958	312	1,270	23·61	36·31	25·84				25·17
146	39	185	706	202	908	17·40	23·51	18·47				14·55
169	57	226	1,236	471	1,707	29·84	17·17	24·80				8·33
238	95	333	1,561	835	2,396	37·69	30·44	34·80				20·87
316	98	414	1,144	382	1,526	27·62	13·93	22·17	41,416	27,427	68,843	32·83
314	122	436	1,246	459	1,705	30·09	16·73	27·76				26·99
353	167	520	1,558	620	2,178	37·62	22·60	31·64				24·43

METEOROLOGY.

The following tables give all the information relating to the Meteorology of Ajmere since 1866. The observations given prior to 1880 were made in the Ajmere Jail, and, though correctly recorded, were probably defective for various reasons which were unavoidable, those since 1880 were made by a capable Government Observer, under proper conditions, and are correct. I am indebted to the kindness of the Meteorological Reporter to the Government of India for nearly all the following statistics, which were prepared in his office, a fact sufficient to vouch for their accuracy.

List of instruments that are in use at the Ajmere Observatory.

1. Barometer.
2. Attached Thermometer.
3. Dry-bulb Hygrometer.
4. Wet bulb do.
5. Dry Minimum Thermometer for shade.
6. Wet Minimum Thermometer for shade.
7. Maximum "
8. Rain-gauge (top of funnel 5 inches diameter).
9. Anemometer.
10. Wind Vane.
11. Sand Glass.

This Observatory is a 2nd class Observatory, and was established in 1866. Its present site was selected in January 1880, previous to which observations were made at the Central Jail.

The statement showing the monthly and annual rainfall in Ajmere, for the years 1866 to 1895 gives an idea of the precarious and partial rainfall of the Ajmere Valley. Mr. La Touche in his report on the Settlement of Ajmere-Merwara districts, 1875, writes as follows on the rainfall of Ajmere :—

"The province is on the border of what may be fairly called the Arid Zone, and is the debatable land between the north-eastern and south-western monsoons and beyond the full influence of either. The south-west monsoons sweep up the Nerbadda Valley from Bombay, and, crossing the tableland at Neemuch, give copious supplies to Malwa, Jhallawar and Kotah, and the countries which lie in the course of the Chambal river. The clouds which strike Kattywar and Cutch are deprived of a great deal of their moisture by the influence of the hills in those countries, and the greater part of the remainder is deposited upon Abu and the higher slopes of the Aravalli, leaving but little for Merwara, where the hills are lower, and still less for Ajmere. It is only when this monsoon is in considerable force that Merwara gets a plentiful supply from it, and it is only the heaviest storms which get as far as Jodhpore, where the average rainfall does not exceed 13 or 14 inches, while beyond this is the rainless land of Scinde. The north-western monsoon sweeps up the valley of the Ganges from the Bay of Bengal and waters the northern part of Rajputana, but hardly penetrates further west than the longitude of Ajmere ; on the conflicting strength of these two monsoons the rainfall of the district depends."

"The prevailing wind during the rainy season is a south-westerly one, but there is but little rain which comes from this direction. The south-west monsoon is exhausted before it reaches even Merwara, and if this monsoon is in the ascendant, the weather will be cloudy and there will be light and partial showers, but no heavy rain. When the wind veers round to the west there will be no rain ; it is from the north-east that Ajmere, Beawar and Todgarh obtain their heaviest rainfalls, though the south-western monsoon has naturally more effect at Todgarh than at Ajmere. The central portions of the province often receive heavy falls from the north-west, the north-east monsoon being apparently diverted from its course by the winds from the desert.

"The direction of the wind is most changeable, and the rainfall is exceedingly partial.

"Not only, however, is the rainfall most precarious and partial, varying in total amount very much from year to year and from place to place, and falling with fury on one side of a hill while the other side is perfectly dry, but it is most irregularly distributed over the rainy season, and most uncertain as to the intensity of the fall ; this last question is a most important one with reference to the filling of the reservoirs. If the rainfall is in light showers, even though it be on the whole an average fall, the soil will absorb it, the nullahs will not run, and the tanks will remain empty. If the fall is sudden and heavy and at the same time general within the catchment area of a tank, the chances are that the embankment will be damaged. The best rainy season is one which includes a fall of 3 or 4 inches in the 24 hours in June, and a similar fall in September, with intermediate showers. Then the tanks fill and are replenished for the rabi harvest and the kharif crop is not drowned with excessive rain."*

These peculiarities may be illustrated from the history of the years for which records have been kept.

In 1860, the rainy season was a bad one, the tanks were unfilled, and no rain fell in September ; 10.77 inches fell. The north-east monsoon failed in the North-Western Provinces, and Marwar got more than its usual rain from the south-west and so averted a famine. 1862 was a year of extraordinarily heavy fall ; 43.40 inches fell. The rainfall was spread over a long period, and the tanks were filled but not destroyed.

In 1864, there was an average fall, but it ended before the second week in August.

In 1865, there was no rain until the middle of August, and it ceased entirely in the second week of September, only 1.18 inches being registered for that month. The tanks were filled.

In 1866, there was not much rain before August, when 19.90 inches fell, and 26.02 inches fell in the year. 1867 was a favourable year, and in the next year, 1868, only 9.32 inches fell in Ajmere, and an average of 7.4 for all stations, and there was famine.

In 1869, 23.92 inches fell, but no rain fell till the middle of July, and then there were long breaks with little rain till September, when 14.60 inches fell.

In 1870, only 16.97 inches fell, but was well distributed.

* A full account of the meteorology of Rajputana by Mr. Eliot, Meteorological Reporter to the Government of India, will also be given in the Provincial Medical History.—T. H. H.

In 1871, there were 8 inches in June and 5 inches in August, in all 21.75 inches. 1872 was a good year, 32 inches fell and were well distributed. 1873 and 1874 were fairly good years, with well distributed rain. 1875 had a large rainfall, 36.37 inches, the greater part of which, *viz.*, 17.80, fell in September. 1876 was a good year, with 24.09 inches. 1877 was remarkable in that rain fell in every month of the year, and only 11.67 for the whole year, July got 4.23 inches and no other month got 2 inches.

1878 was a good year with 31.05 inches, of which 10.06 fell in July and 15.32 in August, and only 1.17 in September. From 1879 to 1885 were good years, with rain from June to September.

In 1886, 15.34 inches fell, which was distributed between May and October. From 1887 to 1889 good rain fell.

In 1890, 14.55 inches fell, giving only small amounts to each month of the rainy season.

In 1891, only 8.93 inches fell, in July 3.77 inches fell, in August and September a little over an inch, and in all the other months less than an inch. This year was a *tir-kal* or triple famine, of water, fodder and grain. Fortunately 1892, 1893, 1894 and 1895 were progressively good years.

The average rainfall for Ajmere for the 30 years, 1866-1895, was 22.62 inches.

Statement showing monthly and annual rain fall at Ajmere from 1866 to 1895.

Summary of climatic conditions of Ajmere for fifteen years from 1881 to 1895, in each month of the year.

January.

	Baro- meter.	Tem- perature.	RAIN.			Cloud.	WIND.	
			Inches.	Days of fall.	Humidity.		Resultant.	Miles.
Mean	28·408	58·6	0·60	2·13	56	2·33	S 40° W	50·3
Highest	28·695	85·0	1·53					
Lowest	28·046	33·0	0·03					
Greatest range in one day	·199	43·3						
Lowest range	·009	2·6						
Mean range	·102	26·5						

Variations from means of fifteen years from 1881 to 1895, in each month of the year.

January.

YEARS.	Barometer mean 28·408 inches.	Temperature of air mean 58·6.	Saturation R. Humidity mean 56 per cent.	Inches of rain mean 0·60 inches.	Wind mean 50·3 miles.
1881	+·053	+0·6	-10	-0·57	-16·9
1882	+·026	+1·7	+ 5	+0·45	- 9·5
1883	-·028	+0·1	- 2	-0·22	- 8·8
1884	+·052	+0·5	+ 1	-0·37	- 8·0
1885	+·048	-1·3	+ 1	-0·23	+13·5
1886	-·009	-0·6	0	-0·40	-13·3
1887	-·092	-0·6	- 1	+0·20	-17·6
1888	+·022	-4·0	- 4	-0·13	-12·8
1889	+·009	+1·3	-10	+0·02	+19·7
1890	-·034	+2·6	-13	-0·60	- 3·3
1891	+·019	-0·6	+ 3	+0·37	-10·3
1892	+·008	+3·2	+ 7	+0·59	+21·7
1893	-·052	-2·8	+ 9	+0·93	+25·7
1894	-·009	+1·2	+ 7	-0·03	+22·7
1895	-·011	-0·8	+ 8	-0·02	- 23

February.

	Baro- meter.	Tem- perature.	RAIN.			Cloud.	WIND.	
			Inches.	Days of fall.	Humidity.		Resultant.	Miles.
Mean	28.375	63.1	0.25	1.07	46	1.99	N 65° W	65.7
Highest	28.679	95.3	2.22					
Lowest	28.051	32.0	0.01					
Greatest range in one day	.225	41.8						
Lowest range . . . . .	.012	6.8						
Mean range . . . . .	.104	27.8						

Variations from means of fifteen years from 1881 to 1895.

February.

YEARS.	Barometer mean 28.375 miles.	Temperature of air mean 63.1.	Saturation R. Humidity mean 46 per cent.	Inches of rain mean 0.25 inches.	Wind mean 65.7 miles.
1881	+.009	+4.2	- 5	-0.22	- 1.6
1882	-.027	-1.3	+ 4	+0.06	+ 2.2
1883	-.003	-2.8	- 6	-0.25	-24.8
1884	+.001	+0.2	+ 2	-0.13	-13.8
1885	-.005	-5.7	- 5	-0.25	- 8.5
1886	+.028	-1.8	-11	-0.20	- 2.3
1887	+.007	+0.6	-11	-0.25	-39.5
1888	+.006	+0.1	+ 2	+1.97	+ 4.1
1889	+.014	+1.2	+ 9	+0.09	+26.3
1890	+.004	+3.1	-10	-0.25	- 2.7
1891	+.030	+1.4	-- 3	-0.25	+19.3
1892	-.066	+4.6	+ 4	-0.25	+33.3
1893	+.004	-5.6	+16	+0.42	+21.3
1894	-.004	+3.3	+ 7	-0.24	+12.3
1895	-.003	+1.4	+ 2	-0.25	-25.7

March.

	Baro- meter.	Tem- perature.	RAIN.			Cloud.	WIND.	
			Inches.	Days of fall.	Humidity.		Resultant.	Miles.
Mean	28·286	74°0	0·22	1·27	41	1·97	N 87° W	96·8
Highest	28·635	107·5	0·97					
Lowest	27·978	44·8	0·02					
Greatest range in one day	·189	45·4						
Lowest range	·016	8·4						
Mean range	·105	28·3						

Variations from means of fifteen years from 1881 to 1895.

March.

YEARS.	Barometer mean 28·286 inches.	Temperature of air mean 74°0.	Saturation R. Humidity mean 41 per cent.	Inches of rain mean 0·22 inches.	Wind mean 96·8 miles.
1881	+·017	-2·6	·3	+0·27	-10·9
1882	+·027	-0·7	-6	-0·22	-19·7
1883	-·006	-2·5	0	-0·20	-7·1
1884	+·001	+0·6	-3	-0·18	?
1885	+·043	-0·9	-3	-0·22	-20·0
1886	-·012	-0·4	0	-0·22	-1·5
1887	-·041	+1·6	+7	-0·22	-18·9
1888	-·008	+3·5	-4	-0·17	+44·2
1889	+·064	+2·7	-3	+0·35	-17·8
1890	-·049	+1·6	-8	-0·07	+11·2
1891	+·024	-4·1	+11	+0·75	-19·8
1892	-·058	+4·2	-1	-0·22	+28·2
1893	+·014	-2·8	+7	+0·08	+28·2
1894	-·009	-0·4	0	+0·19	+17·2
1895	-·011	+0·2	+2	+0·10	-13·8

April.

	Baro- meter.	Tem- perature.	RAIN.			Cloud.	WIND.	
			Inches.	Days of fall.	Humidity.		Resultant.	Miles.
Mean	28.183	85.9	0.10	0.40	34	1.60	N 85° W	142.0
Highest	28.412	109.0	0.70					
Lowest	27.877	49.4	0.05					
Greatest range in one day	.294	43.1						
Lowest range	.014	8.1						
Mean range	.106	26.8						

Variations from means of fifteen years from 1881 to 1895.

April.

YEARS.	Barometer mean 28.183 inches.	Temperature of air mean 85.9.	Saturation 100 R. Humidity mean 34 per cent.	Inches of rain mean 0.10 inches.	Wind mean 142.0 miles.
1881	+.007	-1.5	+ 6	+ 0.60	+ 16.4
1882	-.018	-2.0	- 3	- 0.10	- 8.4
1883	-.015	+ 0.3	- 5	- 0.10	- 23.7
1884	+.025	-2.0	-10	- 0.10	- 26.5
1885	+.047	-4.7	+ 3	- 0.10	- 8.3
1886	+.006	-0.9	- 9	- 0.10	- 54.2
1887	+.008	-0.2	+ 8	- 0.10	- 81.9
1888	-.022	+ 0.9	- 1	- 0.10	+ 75.3
1889	+.021	+ 1.0	- 1	+ 0.05	- 3.0
1890	-.001	+ 1.8	- 5	- 0.10	+ 17.0
1891	+.034	-0.9	+ 6	+ 0.15	- 24.0
1892	-.045	+ 6.1	+ 7	- 0.10	+ 70.0
1893	-.017	+ 1.9	- 1	- 0.10	+ 57.0
1894	-.021	0	- 4	- 0.05	+ 10.0
1895	-.013	+ 0.7	+ 4	+ 0.21	- 15.0

May.

	Baro- meter.	Tem- perature.	RAIN.			Cloud.	WIND.	
			Inches.	Days of fall.	Humidity.		Resultant.	Miles.
Mean	28.086	90°7	0.62	2.33	38	1.15	W	215.5
Highest	28.400	114°0	2.19					
Lowest	27.851	60.2	0.08					
Greatest range in one day	.216	38.8						
Lowest range	.008	14.3						
Mean range	.101	23.9						

Variations from means of fifteen years from 1881 to 1895.

May.

YEARS.	Barometer mean 28.086 inches.	Temperature of air mean 90.7°.	Saturation R. Humidity mean 38 per cent.	Inches of rain mean 0.62 inches.	Wind mean 215.5 miles.
1881	-.003	+0.4	- 7	-0.44	- 4.9
1882	-.008	-1.5	+ 8	-0.05	-42.8
1883	-.026	-1.2	+ 5	-1.57	+16.5
1884	-.001	-0.3	-10	-0.50	-58.6
1885	+.077	-7.8	+ 7	+0.69	-91.8
1886	-.024	+0.7	- 4	+0.33	-96.1
1887	-.025	+2.7	+ 9	-0.54	-15.3
1888	-.010	0	- 6	-0.62	+16.3
1889	+.046	+0.9	- 3	+0.63	-31.5
1890	-.013	+1.0	- 5	+0.63	+21.5
1891	+.027	-0.3	+ 6	-0.29	-34.5
1892	-.014	+1.1	?	-0.22	+95.5
1893	+.005	-0.9	+ 5	-0.17	+43.5
1894	-.012	+1.3	- 2	-0.42	+116.5
1895	-.014	+3.5	- 2	-0.62	+65.5

June.

	Baro- meter.	Tem- perature.	RAIN.			Cloud.	WIND.	
			Inches.	Days of fall.	Humidity.		Resultant.	Miles.
Mean	27.984	89.0	2.36	5.07	54	2.85	N 85° W	228.0
Highest	28.211	113.4	7.27					
Lowest	27.684	68.1	0.10					
Greatest range in one day .	.196	35.2						
Lowest range . . . .	.013	1.9						
Mean range . . . .	.096	18.6						

Variations from means of fifteen years from 1881 to 1895.

June.

YEARS.	Barometer mean 27.984 inches.	Temperature of air mean 89.0.	Saturation R. Humidity mean 54 per cent.	Inches of rain mean 2.36 inches.	Wind mean 228.0 inches.
1881	+.007	+0.2	- 2	-1.91	+30.5
1882	-.044	+0.3	0	-2.03	-38.9
1883	-.002	-0.7	- 1	-1.27	-23.5
1884	+.035	-1.8	- 2	+2.69	+17.7
1885	+.017	-0.9	- 4	+2.18	-27.2
1886	+.004	-1.6	0	-0.47	-45.0
1887	+.004	-0.1	+ 1	-0.39	-49.7
1888	-.004	+1.6	- 5	-1.20	+59.0
1889	+.003	-0.1	+ 3	+1.63	+ 6.0
1890	-.031	+0.7	+ 4	-0.59	-22.0
1891	+.026	+3.9	- 7	-2.26	+108.0
1892	+.013	+1.8	- 1	-1.68	+34.0
1893	-.001	-1.3	+ 4	+1.83	-41.0
1894	-.034	-2.7	+11	+4.91	- 6.0
1895	0	+1.1	0	-1.37	- 2.0

July.

	Baro- meter.	Tem- perature.	RAIN.			Cloud.	WIND.	
			Inches.	Days of fall.	Humidity.		Resul atnt.	Miles.
Mean	27'944	82'1	7'46	12'07	75	5'73	N 88° W	190'5
Highest	28'121	107'2	16'18					
Lowest	27'682	72'0	3'77					
Greatest range in one day	'174	24'3						
Lowest range	'001	1'9						
Mean range	'083	12'9						

Variations from means of fifteen years from 1881 to 1895.

July.

YEARS.	Barometer mean 27'944 inches.	Temperature of air mean 82'1.	Saturation R. Humidity mean 75 per cent.	Inches of rain mean 7'46 inches.	Wind mean 190'5 miles.
1881	—'006	—'9	+ 4	+ 1'80	—26'8
1882	—'025	—2'7	+ 5	+ 8'72	?
1883	+'016	—1'7	+ 1	+ 1'78	—39'7
1884	+'008	+ 1'8	— 7	— 0'81	—33'4
1885	+'012	+ 0'7	— 4	— 0'27	+ 11'8
1886	—'004	—0'3	0	— 3'52	—33'7
1887	+'005	—2'8	+ 5	+ 3'09	—38'5
1888	+'002	+ 1'3	— 3	— 1'70	+ 24'5
1889	+'022	+ 2'0	— 1	— 3'46	—26'5
1890	—'031	—0'3	+ 6	— 3'08	+ 24'5
1891	—'039	+ 4'0	— 9	— 3'69	+ 68'5
1892	—'040	+ 2'4	— 5	— 2'38	+ 18'5
1893	+'034	—2'8	+ 5	+ 0'94	+ 28'5
1894	+'009	—2'5	+ 7	— 0'80	—18'5
1895	+'032	+ 2'4	— 6	+ 3'32	+ 40'5

August.

	Baro- meter.	Tem- perature.	RAIN.			Cloud.	WIND.	
			Inches.	Days of fall.	Humidity.		Resultant.	Miles.
Mean	28.016	80.2	6.93	10.27	78	5.52	N 89° W	175.8
Highest	28.217	104.0	13.89					
Lowest	27.785	70.6	0.45					
Greatest range in one day .	.147	23.8						
Lowest range . . . . .	.015	2.6						
Mean range . . . . .	.083	12.2						

Variations from means of fifteen years from 1881 to 1895.

August.

YEARS.	Barometer mean 28.016 inches.	Temperature of air mean 80.2.	Saturation 100 R. Humidity mean 18 per cent.	Inches of rain mean 6.93 inches.	Wind mean 175.8 miles.
1881	-.019	-1.9	+ 8	+ 0.24	-49.3
1882	+.008	-1.0	0	-1.11	-18.0
1883	+.011	+4.6	-15	-6.48	?
1884	+.011	0	- 4	-1.97	-34.0
1885	-.042	-1.0	+ 2	+3.99	+31.3
1886	+.004	+0.3	- 3	-2.33	-28.3
1887	+.009	-1.9	+ 6	+0.89	?
1888	-.020	-2.2	+ 6	+6.96	+ 1.2
1889	-.018	0	+ 5	+5.72	-18.8
1890	+.037	-0.3	- 3	-2.79	-16.8
1891	+.011	+3.3	- 9	-5.71	+64.2
1892	+.002	+0.1	+ 5	+0.16	-11.8
1893	+.031	+1.3	- 2	+1.28	+26.2
1894	-.021	-0.5	+ 1	-3.21	+45.2
1895	-.011	-0.5	+ 3	+4.41	+ 9.2

September.

	Baro- meter.	Tem- perature.	RAIN.			Cloud.	WIND.	
			Inches.	Days of fall.	Humidity.		Resultant	Miles.
Mean	28·126	80·9	2·98	5·13	68	2·95	N 71° W	135·4
Highest	28·380	102·9	10·41					
Lowest	27·784	62·2	0·02					
Greatest range in one day	·165	32·3						
Lowest range	·009	2·0						
Mean range	·094	16·5						

Variations from means of fifteen years from 1881 to 1895.

September.

YEARS.	Barometer mean 28·126 inches.	Temperature of air mean 80·9.	Saturation R. Humidity mean 68 per cent.	Inches of rain mean 2·98 inches.	Wind mean 135·4 miles.
1881	-·026	-1·3	+ 4	-0·53	- 9·8
1882	-·005	-1·7	+ 1	+0·22	-22·6
1883	-·011	+0·1	+ 3	+0·93	- 6·3
1884	-·037	-2·4	+ 11	+7·43	-53·9
1885	+·041	-1·7	- 4	-2·77	-10·8
1886	+·027	+1·8	- 9	-1·48	+14·6
1887	+·009	-0·4	- 3	-2·28	-11·7
1888	+·059	+0·1	- 8	-2·96	+35·6
1889	+·013	+1·8	- 6	-2·78	-51·4
1890	+·001	+2·8	- 12	-1·50	- 3·4
1891	-·016	+3·6	- 3	-1·78	+59·6
1892	-·043	-1·6	+ 14	+3·38	+ 8·6
1893	-·022	-2·2	+ 11	+4·17	+57·6
1894	-·027	+0·1	+ 6	+2·81	- 7·4
1895	+·039	+0·9	- 3	-2·88	+ 0·6

October.

	Baro- meter.	Tem- perature.	RAIN.			Cloud.	WIND.	
			Inches.	Days of fall.	Humidity.		Resultant.	Miles.
Mean	28.287	75.8	0.15	0.53	49	1.19	N 69° W	64.5
Highest	28.510	98.9	1.40					
Lowest	28.005	45.8	0.01					
Greatest range in one day . . . . .	.181	40.5						
Lowest range . . . . .	.020	1.4						
Mean range . . . . .	.095	28.2						

Variations from means of fifteen years from 1881 to 1895.

October.

YEARS.	Barometer mean 28.287 inches.	Temperature of air mean 75.8.	Saturation R. Humidity mean 49 per cent.	Inches of rain mean 0.15 inches.	Wind mean 64.5 miles.
1881	-0.21	+1.2	0	-0.15	+15.4
1882	-0.41	-1.0	-4	-0.15	+2.9
1883	+0.45	-0.4	-3	-0.15	+4.7
1884	+0.49	-3.2	+6	-0.10	-24.5
1885	+0.13	+0.6	-2	-0.15	?
1886	-0.44	+3.8	+7	-0.14	-35.3
1887	+0.16	-1.0	-3	-0.15	-1.8
1888	+0.48	-2.0	0	+0.10	+1.5
1889	-0.27	-2.4	-4	+1.25	-21.5
1890	-0.03	+2.2	-6	+0.22	-5.5
1891	+0.13	+3.3	-1	-0.03	+35.5
1892	-0.05	-1.5	+7	-0.15	+15.5
1893	+0.02	-2.0	+8	-0.08	+5.5
1894	-0.42	+1.4	0	-0.15	+14.5
1895	-0.04	+0.3	-4	-0.14	-6.5

November.

	Baro- meter.	Tem- perature.	RAIN.			Cloud.	WIND.	
			Inches.	Days of fall.	Humidity.		Resultant.	Miles.
Mean	28.396	65.4	0.18	0.47	48	101	N 33° W	36.3
Highest	28.610	93.9	1.86					
Lowest	28.161	35.0	0.10					
Greatest range in one day .	.210	47.6						
Lowest range . . . . .	.017	2.7						
Mean range . . . . .	.095	32.6	.					

Variations from means of fifteen years from 1881 to 1895.

November.

YEARS.	Barometer mean 28.396 inches.	Temperature of air mean 65.4.	Saturation 100 R. Humidity mean 48 per cent.	Inches of rain mean 0.18 inches.	Wind mean 36.3 miles.
1881	-.039	-1.8	-10	-0.18	-15.6
1882	-.013	-1.5	-6	-0.18	+1.4
1883	-.023	-2.6	-4	-0.18	+1.5
1884	+.013	-3.2	-1	0	-20.0
1885	+.027	+0.7	-3	-0.18	?
1886	-.006	+2.7	-2	-0.18	-18.4
1887	+.016	-6.7	-6	-0.18	-18.9
1888	0	-1.4	+11	+0.42	+19.7
1889	-.029	-1.5	-6	-0.18	-3.3
1890	+.013	+2.2	+3	-0.08	+0.7
1891	+.003	+2.7	+5	-0.18	+11.7
1892	-.028	-0.2	+1	+1.18	+20.7
1893	+.036	-0.1	+16	+0.68	+12.7
1894	+.015	+0.2	-2	-0.18	-4.3
1895	+.011	+4.9	-1	-0.18	+12.7

December.

	Baro- meter.	Tem- perature.	RAIN.			Cloud.	WIND.	
			Inches.	Days of fall.	Humidity.		Resultant.	Miles.
Mean	28·442	59·9	0·27	0·73	54	1·59	S 52° E	36·7
Highest	28·655	86·4	2·31					
Lowest	28·118	34·1	0·01					
Greatest range in one day	·158	41·1						
Lowest range	·017	6·0						
Mean range	·098	30·2						

Variations from means of fifteen years from 1881 to 1895.

December.

YEARS.	Barometer mean 28·447 inches.	Temperature of air mean 59·9.	Saturation R. Humidity mean 54 per cent.	Inches of rain mean 0·27 inches.	Wind mean 36·7 miles.
1881	-·009	+ 0·9	- 6	+ 0·18	- 8·7
1882	-·035	+ 3·0	- 5	- 0·27	- 2·0
1883	+·042	- 3·7	- 7	- 0·27	+ 12·2
1884	+·041	- 3·5	- 1	- 0·26	- 2·62
1885	-·029	- 1·3	+ 5	+ 0·01	+ 2·9
1886	-·009	+ 0·2	- 10	- 0·27	- 17·2
1887	-·018	+ 0·3	- 6	- 0·26	- 10·7
1888	+·019	- 1·4	- 3	- 0·27	- 12·3
1889	-·014	+ 1·2	- 9	- 0·27	- 4·7
1890	-·030	+ 0·9	+ 8	+ 0·64	- 5·7
1891	+·031	+ 1·7	+ 7	- 0·27	+ 1·3
1892	+·006	- 0·5	+ 3	- 0·20	+ 26·3
1893	+·009	+ 0·8	+ 7	- 0·27	+ 6·3
1894	?	+ 0·3	+ 15	+ 2·04	+ 8·3
1895	+·001	+ 0·5	+ 1	- 0·27	+ 5·3

Table III Abstract of Meteorological observations of

MONTHS,	BAROMETER.														Mean range.
	Mean of 15 years.	Highest.	Date.	Year.	Lowest.	Date.	Year.	Greatest range in one day.	Date.	Year.	Lowest range in one day.	Date.	Year.		
January . . .	28°408	28°695	5	1886	28°046	25	1883	'199	11	1882	.009	17 & 23	1891	'102	
February . . .	*375	*679	12	91	*051	15	90	*225	15	86	*012	2	86	*104	
March . . .	*286	*635	5	89	27°978	28	87	*187	24	81	*016	8	95	*105	
April . . .	*183	*412	4	93	*877	27	93	*294	6	8	*014	12	85	*106	
May . . .	*086	*400	3	92	*851	23	92	*216	31	95	* 808	2	92	*101	
June . . .	27°984	*211	1	83	*684	11	82	*196	14	84	*013	24	84	*096	
July . . .	*944	*121	13	95	.682	11	87	*174	11	87	*001	17	93	*083	
August . . .	28°016	*217	26	90	*785	9	95	*147	31	91	*015	2	85	*083	
September . . .	*126	*380	29	85	*785	12	82	*165	30	81	*009	2	93	*094	
October . . .	*287	*510	31	91	28°005	2	84	*181	31	88	*020	25	83	*095	
November . . .	*396	*610	17	92	*161	10	83	*210	7	84	*017	1 & 29 4	81 85	*095	
December . . .	*442	*655	24	91	*118	1	92	*158	24	- 81	*017	8	83	*098	
Total . . .	14°533	5°525	...	...	11°022	...	...	2°354	...	...	*055	...	...	1°162	
Mean . . .	28°211	28°460	...	...	27°919	...	...	*196	...	...	*005	...	...	*097	
Highest and Lowest	...	28°695	5th	86	27°682	11th	87	*294	6th	88	*088	2nd	92	...	

* Note by Chief Computer. The range in the case of the barometric observations is the difference of the 10th. V16th reading was higher than the 10th. on 2nd May 1892, a rare occasion. This was owing to the rapid rise of the barometer

MERE.

Sunspot period of 1st years, viz., 1881 to 1895.

TEMPERATURE OF AIR IN SHADE.												RAIN.			WIND.					
Mean of 15 years.	Highest.	Date.	Year.	Lowest.	Date.	Year.	Greatest range in one day.	Date.	Year.	Lowest range in one day.	Date.	Year.	Mean range.	Mean of 15 years.	Average number of rainy days since 1881.	K. Humidity mean of 15 years.	Cloud mean of 15 years.	Normal mean direction resultant.	Total miles mean of 15 years.	
58°6	85°0	21	1892	33°0	28 & 29	1890	43°3	4	1889	2°6	11	1882	26°5	0°60	2°13	56	2°33	S40°W	50°3	
63°1	95°3	27	87	32°0	8	88	41°8	6	81	6°8	11	89	27°8	0°25	1°07	46	1°99	N65°W	65°7	
74°0	107°5	26	92	44°8	12 & 30	94	87	30	87	8°4	12	91	28°3	0°22	1°27	41	1°97	N87°W	96°8	
85°9	109°0	27	86	49°4	3	86	43°1	5	88	8°1	24	90	26°8	0°10	0°40	34	1°60	N85°W	142°8	
90°7	114°0	8	81	86	60°2	1	81	38°8	6 & 21	81	14°3	31	86	23°9	0°62	2°33	38	1°15	W	215°5
89°0	113°4	2	89	68°1	15&16	88	35°2	16	88	1°9	28	85	18°6	2°36	5°07	54	2°85	N85°W	228°0	
82°1	107°2	21	91	72°0	14-26	94	82	4	81	1°9	7	83	12°9	7°46	12°07	75	5°75	N88°W	190°5	
80°2	104°0	28	83	70°6	27	88	23°8	27	83	2°6	22&26	88	12°2	6°93	10°27	78	5°52	N89°W	175°8	
80°9	102°9	4	91	62°2	23-24	85	32°3	24, 28 & 29	85	2°0	3	94	16°5	2°98	5°13	68	2°95	N71°W	135°4	
75°8	98°9	2	90	45°8	25	89	40°5	25	87	1°4	3	93	28°2	0°15	0°53	49	1°19	N69°W	64°5	
65°4	93°9	4	95	35°0	9	92	47°6	25	81	2°7	20	93	32°6	0°18	0°47	48	1°01	N33°W	36°3	
59°9	86°4	1	92	34°1	81	83	41°1	3	89	6°0	24	84	30°2	0°27	0°73	54	1°59	S 52 E	36°7	
90°56	121°5	...	...	60°2	...	...	45°2	...	...	58°7	...	...	284°5	22°12	41°47	541	29°88	...	1437°5
75°5	101°5	...	...	50°6	...	...	38.1	...	...	4°9	...	...	23°7	1°84	3°46	53	2°49	...	119°8
...	104°0	May 8th 25th	81 86	32°0	Feb.	87	4°76	Nov. 25th	81	1°4	Oct. 3rd	93	...	...	...	...	...	...	...

readings (10 h. minus 16 tons). In this case the lowest range is shown by a [negative] value. The reason is that the 16th after a storm centre passed over the station on the morning of that date.

CLIMATE.

The climate of the Ajmere District is dry and healthy.

In the hot season strong hot west winds prevail, alternating with easterly breezes ; the hot south-west wind is the most prevalent, and this wind is used by those houses in which grass tatties are placed to reduce the temperature. This wind blows sometimes for weeks together day and night, and the temperature of houses can be kept down to somewhere near 80° Farenheit by means of tatties. A large number of the inhabitants of Ajmere, both European and Native, sleep outside on the ground or on their houses during the hot season and the nights are, as a rule, cool and refreshing, though the constant wind is troublesome. This is the healthiest season of the year. During the rains a south-westerly or North-Easterly wind is nearly always blowing according as either monsoon is in the ascendant. At the beginning of the rains and just before the first good fall of rain, the climate of Ajmere is most trying and disagreeable, but after the rains are fairly set in, the wet season is pleasant. During the autumn following the rains the air becomes dry and unpleasant, and malarial fevers become prevalent ; they are not, however, of a severe or fatal type. The weather in December, January and February, when hoar frost not unfrequently covers the ground, is cold and bracing, and the cold at times is severe.

The climate of Ajmere is healthy and is favourable for Europeans, especially for European children, who appear to suffer less from those diseases incidental to infancy and childhood than the children of many other parts of India, and whose illnesses, when they occur, are of a mild type and chiefly to be traced to errors in diet.

HOSPITALS AND DISPENSARIES.

The first charitable public dispensary was opened in Ajmere on the 15th January 1851. The idea of starting a charitable dispensary in Ajmere was originated by Colonel Dixon. It was constructed at a cost of Rs. 6,000, from funds subscribed by the citizens of Ajmere, and the building was constructed near the Agra gate inside the city, affording accommodation for 25 beds—21 for males and 4 for females. This dispensary remained constantly open from 1851 to 1895 ; when the new General Hospital was completed. A great deal of medical and surgical aid was rendered to the citizens of Ajmere and to the district of Ajmere-Merwara and to people from other parts of Rajputana and India in the old dispensary ; but for some years previous to 1895 the old dispensary was found to be increasingly inadequate to the demands made upon its accommodation for in-door sick, for operations and for general hospital work ; there were also no proper quarters for the hospital staff.

In 1895 a modern and more suitable hospital was built outside the city walls at a cost of Rs. 43,000. The old dispensary was vacated and the new hospital occupied in December 1895. The new hospital was built from funds liberally subscribed by some of the wealthy citizens of Ajmere, by the Municipality, and from the amount realized by the sale of the old dispensary.

The new hospital is a fine building containing several large wards, and is built in accordance with modern hospital requirements. It gives accommodation for 55 beds, *viz.*,

33 for males, 10 for females and 12 for men of the Ajmere Police. The old Police Hospital, which was for many years in the Magazine, was abolished when wards in the new General Hospital were made available for the police sick.

The present staff of the General Hospital is quite inadequate for the amount of work which is now done in the institution ; there is a daily average of 17·84 in-patients and 105·23 out-door patients treated at this hospital. In 1895 there were 197 major operations, and for the ten months of this year 1896, 250 major operations have been performed. It has not been found that the General Hospital work has fallen off since the hospital has been removed to a site outside the city, and there is no doubt but that the greater accommodation, and better site and surroundings will, as time goes on, increase the usefulness of this institution.

The hospital buildings are complete, but the ground belonging to the hospital is only partially enclosed. The buildings and ground urgently require a surrounding wall with gates.*

RAILWAY HOSPITAL AND DISPENSARY.

There is a large Central Railway Hospital and a Railway Branch Dispensary in Ajmere. The former is a fine building near the Railway Workshops and has wards for European and Native patients as well as a female ward. This hospital has accommodation for 24 beds, *i.e.*, 12 for Natives, 6 for Europeans (male), and 6 for Europeans (female). The Branch Dispensary is near Cantonments and is very useful for Railway officials and their servants as the distance of most of the houses of Railway officials from the main hospital is great. The Central Hospital is well equipped with instruments and hospital appliances, and is liberally stocked with medicines from Bombay ; when it is remembered that over ten thousand individuals are more or less dependent on the Railway and that all these people can obtain medicine and advice at the hospital or dispensary, some idea of the amount of work and usefulness of these institutions can be formed.

During 1895 the numbers of out-patients attending the Railway Hospital were as follows :—Europeans 568, Eurasians 1,223, Natives 7,358 ; 6 Europeans, 5 Eurasians, and 169 Natives were treated as in-patients, and 372 visits were made to the houses of sick Railway servants.

PRESBYTERIAN MISSION HOSPITAL.

In 1872 the Rajputana United Presbyterian Mission opened a dispensary in the city under the charge of the Revd. Dr. J. Husband. In 1896 a new building was constructed by the Mission, from funds collected in Scotland. This new hospital is near the Delhi gate of the city and has accommodation for 20 beds. Nearly 21,000 new cases were treated as out-patients in the Mission Dispensary in 1895, and 135 in-patients were admitted during the year. The cost of maintenance, wages and medicines, etc., for 1895 was Rs. 2,253.

BRANCH DISPENSARIES.

There are four Branch Dispensaries in the Ajmere District, *viz.*, Kekri, Pisangan, Ramsar and Deolia.

* Many minor improvements are required in order to make this hospital perfect. Unfortunately, funds are not at present available.—T. H. H.

KEKRI.

The population of Kekri is 7,100. This small town is increasing as a market, and the small Tejaji Fair is becoming a recognised commercial as well as religious institution. The number of occupied houses is 1,353.

Kekri is 50 miles from Ajmere.

The dispensary was opened on 7th July 1869. The number of patients treated during 1895 was 5,753, *i.e.*, 44 in and 5,709 out-door, and the cost of the dispensary for the year was Rs. 797. The daily average attendance of in and out-door patients was 1·44 and 34·69 respectively. There is a Deputy Magistrate at Kekri, who is also Chairman of the Municipal Committee.

PISANGAN.

Is a small town, owned by a Rajput Istimrardar, with a population of 5,521. It is 12 miles from Mangliawas Railway Station and 28 miles from Ajmere. The dispensary was opened on 6th August 1869. The number of out-door patients treated during 1895 was 3,277, with a daily average attendance of 26·81, and the annual cost was Rs. 478.

There is no accommodation for in-patients in this dispensary.

RAMSAR.

The population of Ramsar is 3,542. Ramsar is 10 miles from Nasirabad Railway Station and 25 miles from Ajmere. The dispensary was opened on 17th September 1869, and the number of patients treated during 1895 was 3,220, with a daily average attendance of 24·45. The annual cost amounted to Rs. 636.

There is no accommodation for in-patients.

DEOLIA.

Deolia has a population of 3,748 and is owned by a Rajput Istimrardar, who pays a quit rent to Government. Deolia is 52 miles from Ajmere and 11 miles from Barl Railway Station. The dispensary was opened on 17th December 1890, and the number of patients treated during 1895 was 3,107, with a daily average attendance of 30·43. The annual cost amounted to Rs. 601.

There is no accommodation for in-patients.

Table showing attendance at the Ajmere Dispensary.

		Out-door.	In-door.	Total.
1876	.	14,241	290	14,531
1877	.	14,999	344	15,343
1878	.	20,289	401	20,690
1879	.	17,394	320	17,714
1880	.	17,921	324	18,245
1881	.	20,289	401	20,690
1882	.	20,508	461	20,969
1883	.	19,643	450	20,093
1884	.	16,381	414	16,795
1885	.	16,209	436	16,645
1886	.	17,609	449	18,058
1887	.	18,376	648	19,024
1888	.	17,241	539	17,780
1889	.	16,028	448	16,476
1890	.	16,535	487	17,022
1891	.	17,910	469	18,379
1892	.	19,384	462	19,846
1893	.	20,035	471	20,506
1894	.	19,739	487	20,226
1895	.	16,909	510	17,419
TOTAL		357,640	8,811	366,451

Return of patients treated in the Ajmere

Months.	GENERAL DISEASES.												
	GROUP A.						GROUP B.	GROUP C.	GROUP D.				
	Small-pox.	Cholera.	Dysentery.	Malarial Fever.	Syphilitic Affections.	Gonorrhœa and its complications.			Worms.	Debility.	Rheumatic affections.	Tubercular.	Leprosy.	All other general diseases.
January . . .	23	...	501	2,554	770	581	214	63	119	1,139	145	43	385
February . . .	20	...	295	2,000	582	523	290	69	98	970	134	51	294
March . . .	28	3	466	2,729	778	634	285	143	144	1,244	170	72	358
April . . .	24	27	531	2,626	795	639	327	286	139	1,328	155	67	386
May . . .	21	42	497	2,445	874	662	350	308	175	1,324	163	79	429
June . . .	16	90	501	2,194	923	762	357	472	156	1,328	145	85	416
July . . .	...	245	735	2,601	872	770	327	565	182	1,300	156	67	426
August . . .	3	149	969	2,163	863	721	321	537	148	1,298	170	68	429
September . . .	3	43	699	2,220	757	699	511	306	125	1,158	155	51	421
October . . .	...	14	589	2,120	707	552	310	291	166	1,246	123	62	388
November . . .	1	107	681	2,109	632	603	181	148	137	1,138	130	44	373
December . . .	14	...	611	2,006	599	530	132	118	149	1,057	123	42	331
Total . . .	153	700	7,075	43,767	9,152	7,676	3,605	3,526	1,738	14,530	1,769	731	4,636
Percentage . . .	.04	.19	1.95	12.03	2.52	2.11	.99	.97	.48	3.99	.49	.20	1.27

Dispensary from 1876 to 1895.

LOCAL DISEASES.

GROUP E.

Diseases of the Eye.	Diseases of the Ear.	Diseases of the circulatory system.	Diseases of the Respiratory system.	Diarrhoea.	Diseases of Liver.	Gastritis.	Diseases of spleen.	Diseases of the generative system.	Diseases of the connective tissue.	Diseases of the skin.	Ulcers.	Poison.	Injuries.	Other Local diseases.	Total.	Annual average.
1,384	1,171	156	2,566	514	103	...	318	84	1,422	2,417	2,728	133	1,173	4,291	24,997	1,250
1,474	977	136	2,057	413	60	...	232	67	1,267	2,593	2,486	130	1,178	3,865	22,261	1,113
2,536	1,313	152	2,092	538	84	3	262	80	1,553	3,445	2,678	242	1,557	5,394	28,983	1,449
3,007	1,466	99	1,682	690	91	...	267	84	1,745	3,055	2,589	414	1,406	5,555	29,480	1,474
2,482	1,395	130	1,508	609	89	...	283	131	2,185	2,916	2,835	627	1,670	5,795	30,024	1,501
2,019	1,529	206	1,304	713	114	...	309	126	2,658	3,104	2,902	581	1,848	5,798	30,636	1,532
2,564	1,700	163	1,202	910	97	...	307	105	2,819	3,376	3,557	562	2,235	6,075	33,918	1,696
3,415	1,909	167	1,196	1,029	114	...	293	80	2,653	3,486	4,406	480	2,359	6,103	36,549	1,827
2,805	1,769	167	1,291	668	93	2	224	69	2,313	3,252	4,692	445	1,469	5,521	35,128	1,756
1,885	1,400	100	1,868	501	86	1	306	78	1,976	2,726	3,851	305	1,472	6,161	35,284	1,764
1,555	1,185	83	2,589	539	99	...	276	97	2,005	2,257	2,915	149	1,129	4,715	29,877	1,494
1,506	1,121	83	2,769	572	103	...	281	66	1,783	2,135	2,822	130	1,038	4,469	26,590	1,330
26,632	16,935	1,642	22,124	7,696	1,133	6	3,358	1,067	24,379	34,762	38,461	4,198	18,534	63,742	363,728	...
7.32	4.66	.45	6.08	2.12	.31	...	.92	.29	6.70	9.56	10.57	1.15	5.10	17.52	...	...

Return of patients treated in the Branch

MONTH.	GENERAL DISEASES.													
	GROUP A.							Other diseases of this order.	Worms.	Debility.	GROUP D.			
	Small-pox.	Cholera.	Dysentery.	Malarial fevers.	Syphilitic affections.	Gonorrhœa and its complications.	Rheumatic affections.				Tubercular.	Leprosy.	All other general diseases.	
January	• •	47	666	50	38	16	3	3	125	13	1	23
February	• •	25	506	33	19	9	1	...	107	22	...	27
March	• •	1	...	48	573	47	35	10	2	:	124	29	...	35
April	• •	2	20	58	453	21	34	8	6	...	123	26	2	50
May	• •	2	109	46	347	46	45	9	7	...	130	33	...	48
June	• •	5	112	57	392	36	41	16	7	1	152	14	...	39
July	• •	...	8	142	561	55	47	15	10	5	177	12	...	36
August	• •	...	89	227	874	46	40	23	10	3	160	12	...	34
September	• •	...	138	155	1,764	47	47	15	5	1	155	15	...	31
October	• •	...	1	121	2,105	39	42	7	3	9	132	19	4	68
November	• •	...	9	81	1,658	42	42	13	7	7	110	26	1	48
December	• •	49	1,071	45	39	28	3	...	121	14	...	35
Total	•	10	486	1,056	10,970	507	469	169	64	29	1,616	234	8	474
Percentage	• •	.02	.83	1.80	18.70	.86	.80	.29	.11	.05	2.75	.40	.01	.81

Dispensary, Kekri, from 1880 to 1895.

LOCAL DISEASES.

GROUP E.

Diseases of the eye.	Diseases of the ear.	Diseases of the circulatory system.	Diseases of the respiratory system.	Diarrhoea.	Diseases of liver.	Goutie.	Diseases of spleen.	Diseases of the generative system.	Diseases of the connective tissue.	Diseases of the skin.	Ulcers.	Poisons.	Injuries.	Other local diseases.	Total.
579	155	49	366	32	13	...	57	20	60	433	496	20	133	495	3,893
638	133	62	267	21	8	...	28	10	36	396	367	13	122	465	3,313
1,083	177	61	252	66	12	...	33	12	32	463	452	16	140	626	4,380
1,125	173	66	183	73	12	...	30	12	30	404	423	16	148	721	4,819
876	191	74	131	92	11	...	29	9	33	355	430	26	149	782	4,029
617	189	160	101	128	13	...	30	18	79	364	456	29	118	770	3,944
1,196	319	132	107	218	7	...	33	13	73	493	744	32	137	755	5,327
1,855	377	97	141	222	11	...	30	9	57	577	943	30	186	791	6,844
1,532	309	76	167	148	9	...	32	17	50	563	819	39	161	704	6,999
961	262	75	281	67	11	...	72	6	98	437	753	19	138	689	6,419
680	193	57	316	49	14	...	48	8	64	354	549	9	120	456	4,961
593	190	56	349	48	11	...	55	14	65	460	539	15	144	447	4,391
11,735	2,668	965	2,661	1,164	132	...	477	148	697	5,299	6,971	264	1,696	7,701	158,670
20.00	4.55	1.64	4.54	1.98	.23	...	.81	.25	1.19	9.03	11.88	.45	2.89	13.13	400

Return of patients treated in the Branch

Month.	GENERAL DISEASES.												
	GROUP A.							GROUP D.					
	Small-pox.	Cholera.	Dysentery.	Malaria fevers.	Syphilitic affections.	Gonorrhœa and its complications.	Other diseases of this order.	Worms.	Debility.	Rheumatic affections.	Tubercular.	Leprosy.	All other general diseases.
January	49	454	80	50	36	13	5	197	35	1	185
February	37	407	79	56	28	18	7	182	44	1	147
March	39	359	72	41	22	14	8	197	44	4	214
April	1	72	413	85	56	35	15	11	194	91	...	180
May . . .	1	14	60	344	79	50	18	15	13	210	79	3	225
June	39	53	340	61	52	23	22	12	213	45	...	210
July	15	76	346	70	57	24	19	10	204	88	2	217
August	16	143	648	71	46	16	34	16	226	75	2	237
September	34	98	1,564	76	37	45	37	18	213	75	4	273
October	51	1,529	60	39	30	28	11	167	65	...	184
November	35	47	1,051	66	44	48	19	19	196	63	3	124
December	48	725	65	37	24	12	6	195	34	2	119
Total . . .	1	154	773	8,180	864	565	349	246	136	2,394	738	22	2,315
Percentage	* 30	1.53	16.15	1.71	1.11	* 69	* 49	* 27	4.73	1.46	* 0	4.57

Dispensary, Pisangan, from 1880 to 1895.

LOCAL DISEASES.

GROUP E.

Diseases of the eye.	Diseases of the ear.	Diseases of the circulatory system.	Diseases of the respiratory system.	Diarrhoea.	Diseases of liver.	Goutre.	Diseases of spleen.	Diseases of the generative system.	Diseases of the connective tissue.	Diseases of the skin.	Ulcers.	Poisons.	Injuries.	Other local diseases.	Total.
339	181	6	113	75	14	...	23	5	289	283	648	16	74	580	3,751
356	151	...	134	40	14	...	24	4	256	269	550	8	96	509	3,417
513	175	3	137	62	6	...	26	3	253	278	554	48	107	645	3,823
610	156	6	100	109	14	...	34	5	225	276	477	103	99	597	3,964
519	158	20	88	110	12	...	25	3	338	233	560	137	117	657	4,088
439	202	10	63	95	9	...	33	5	346	266	579	139	99	789	4,146
551	252	10	93	117	11	...	21	5	430	287	676	147	148	704	4,570
601	191	7	105	163	12	...	26	3	337	286	754	91	102	561	4,763
422	185	10	78	139	21	...	59	1	320	263	741	106	93	579	5,491
306	168	7	114	70	12	...	23	1	294	250	535	56	94	598	4,693
273	145	4	155	55	11	...	21	...	295	246	528	20	108	588	4,164
284	198	7	150	62	12	...	23	2	333	288	535	9	77	540	3,787
5,213	2,162	93	1,333	1,097	148	...	332	37	3,711	3,219	7,137	880	1,214	7,347	50,658
10·29	4·27	·18	2·63	2·16	·29	...	·65	·07	7·33	6·35	14·09	1·74	2·40	14·50	100

Return of patients treated in the Branch

Months.	GENERAL DISEASES.													
	GROUP A.						GROUP D.							
	Small-pox.	Cholera.	Dysentery.	Malarial fevers.	Syphilitic affections.	Gonorrhœa and its complications.	Other diseases of this order.	Worms.	Debility.	Rheumatic & affect.	Tubercular.	Leprosy.	All other general diseases.	Diseases of the eye.
January	15	726	24	10	8	3	21	88	1	46	581
February	96	863	14	11	18	1	10	59	3	37	561
March 1	24	475	15	10	23	1	13	80	4	37	970
April 2	36	403	12	11	15	3	19	97	8	34	952
May	4	29	330	19	13	14	2	19	83	4	29	598
June	20	33	317	22	10	22	9	8	89	4	38	524
July	18	49	340	20	12	8	8	11	100	7	36	811
August 3	88	71	418	21	20	13	11	9	77	6	38	1,259
September	3	66	803	13	16	4	3	12	71	4	33	815
October	34	1,162	21	10	2	7	13	83	4	41	463
November	45	1,113	21	15	6	...	21	82	3	47	390
December	41	828	27	15	6	1	18	95	5	39	473
Total	133	539	7,278	229	162	139	49	174	1,004	53	...	455	8,397
Percentage	'37	1'49	20'11	'63	'45	'38	'14	'48	2'77	'15	...	1'26	23'20

Dispensary, Ramsar, from 1880 to 1895.

LOCAL DISEASES.

GROUP E.

Diseases of the ear.	Diseases of the circulatory system.	Diseases of the respiratory system.	Diarrhea.	Diseases of liver.	Goutre.	Diseases of spleen.	Diseases of the generative system.	Diseases of the connective tissue.	Diseases of the skin.	Ulcers.	Poisons.	Injuries.	Other local diseases.	Total.
61	...	211	27	25	...	24	3	163	170	209	2	56	290	2,764
79	...	238	13	17	...	15	3	177	148	197	5	57	294	2,416
73	...	185	18	19	...	13	2	189	201	215	...	62	335	2,964
98	...	105	32	19	2	14	...	173	188	189	2	72	327	2,811
91	1	86	33	24	...	28	6	217	187	234	7	101	388	2,547
109	...	64	33	17	...	33	4	237	217	262	5	92	420	2,598
123	...	91	82	26	...	28	2	372	281	355	8	78	426	3,292
125	...	73	189	21	...	18	2	403	345	462	2	91	346	4,101
118	...	72	62	30	...	38	2	351	268	369	6	95	273	3,527
93	...	74	40	24	...	34	5	260	193	324	7	65	275	3,233
89	1	153	47	14	...	33	3	223	159	248	2	64	248	3,036
75	4	244	18	32	...	36	2	195	160	259	2	45	278	2,897
1,134	6	1,596	594	268	2	314	34	2,960	2,517	3,323	48	878	3,900	36,186
3'13	'02	4'41	1'64	'74	'01	'87	'09	8'18	6'96	9'18	'13	2'43	10'78	100

Return of patients treated in the Branch

GENERAL DISEASES.

Months.	GROUP A.										GROUP D.					Diseases of the eye.
	Small-pox.	Cholera.	Dysentery.	Malarial fever.	Syphilitic affections.	Gonorrhœa and its complications.	Other diseases of this order.	Worms.	Debility.	Rheumatic affections.	Tubercular.	Leprosy.	All other general disease.			
January . . .	...	...	88	636	20	25	2	11	2	58	...	...	35	89	
February . . .	...	...	59	524	24	27	4	7	1	53	1	2	42	93	
March . . .	...	...	52	402	22	29	6	8	3	43	2	1	34	118	
April . . .	...	1	39	390	19	25	6	11	5	53	...	1	46	109	
May . . .	...	28	43	382	28	29	3	8	8	41	...	...	6	121	
June . . .	25	65	443	19	21	23	4	12	6	46	...	...	5	116	
July . . .	...	52	402	24	23	23	9	12	6	37	...	...	6	95	
August . . .	...	64	414	16	22	22	9	12	8	37	1	...	7	104	
September . . .	...	55	450	27	27	27	8	16	7	42	...	...	4	90	
October . . .	...	53	475	15	35	35	7	14	4	30	...	...	5	62	
November . . .	...	48	478	17	20	20	6	9	7	24	...	...	5	75	
December . . .	...	56	462	22	21	21	5	11	6	23	...	...	6	68	
Total . . .	54	674	5,458	253	304	69	131	63	486	4	4	201	1,140			
Percentage . . .	33	4.06	32.82	1.52	1.83	4.2	79	38	2.92	.02	.02	1.21	6.86			

Dispensary, Deolia, from 1891 to 1895.

LOCAL DISEASES.

GROUP E.

Diseases of the ear.	Diseases of the circulatory system.	Diseases of the respiratory system.	Diarrhoea.	Diseases of liver.	Goutre.	Diseases of spleen.	Diseases of the generative system.	Diseases of the connective tissue.	Diseases of the skin.	Ulcers.	Poisons.	Injuries.	Other local diseases.	Total.
25	...	173	21	7	...	29	21	36	107	129	2	24	109	1,649
34	1	133	22	6	...	22	2	29	120	136	1	25	158	1,526
39	1	111	27	9	...	17	5	34	128	139	4	33	111	1,378
38	2	78	24	11	...	20	3	37	143	122	2	31	160	1,375
42	2	99	36	9	...	11	3	53	170	124	1	21	163	1,431
52	...	133	25	13	..	12	5	41	122	129	...	18	128	1,440
26	1	103	23	14	...	17	8	40	118	150	3	30	143	1,348
34	1	98	26	11	...	18	9	42	129	148	2	31	127	1,370
26	...	100	20	11	..	16	5	36	101	146	1	19	134	1,341
21	1	98	17	9	...	15	6	26	105	108	2	21	127	1,256
24	1	118	21	6	...	16	3	41	91	130	1	18	96	1,255
32	...	123	14	4	...	12	3	38	93	141	2	16	100	1,258
393	10	1,367	276	110	...	205	73	453	1,427	1,602	21	287	1,556	16,621
2'36	'06	8'22	1'66	'66	...	1'23	'44	2'73	8'59	0'64	'13	1'73	0'36	100

MAJOR SURGICAL OPERATIONS.

The following summary of major surgical operations done in the Ajmere Dispensary is for the 20 years, 1876 to 1895 :—

Two thousand and seventy-seven major surgical operations were performed in the Ajmere Dispensary during 20 years, from 1876 to 1895. The highest number, *viz.*, 197, was in 1895 and the lowest *viz.*, 19, in 1876.

REMOVAL OF TUMOURS.—Two hundred and twenty-six operations were performed for tumours, of which 17 were cancers. Of this number five were cancer of breast, two of the eyebrow, and the rest on other parts of the body. Of operations on tumours those for cancer were the least frequent.

LARGE ABSCESS.—Large and deep seated abscesses were opened in 99 cases only.

EYE OPERATIONS.—Seven hundred and sixty-two operations were performed for eye diseases, of which 544 were extraction of lens for cataract, 88 for iridectomies preliminary to cataract operations, and 66 iridectomies for opacity of cornea and glaucoma. In 1895 the largest number of lenses were extracted, *viz.*, 64, and of the 88 iridectomies, performed as preliminary to cataract operation, 66 were performed in 1895.

OPERATIONS ON THE EAR.—Only 7 operations on the ear were performed during 20 years, *viz.*, 5 for the extraction of foreign bodies and polypus of the ear.

OPERATIONS ON THE NOSE.—There were 21 operations performed under this head of which 10 were for restoration of the nose ; the rest were not very important ones.

OPERATIONS ON OTHER PARTS OF THE HEAD AND FACE INCLUDING MOUTH.—This heading gives only two cases of harelip.

OPERATIONS ON ARTERIES.—Ligation of the femoral artery for lacerated wound of the thigh was done in 3 cases only.

OPERATIONS ON THE DIGESTIVE ORGANS.—Seventy-six operations were performed, out of which paracentesis of the abdomen for ascites was performed in 63 cases, 7 persons were operated on for fistula in ano, and 3 each for haemorrhoids and imperforate anus. Under this head ascites was the most common cause for operation.

OPERATIONS FOR HERNIA.—Seven persons suffering from strangulated hernia were operated on during the 20 years.

OPERATIONS ON THE URINARY ORGANS.—One hundred and ninety-five persons were operated on for diseases under this head, of which operations for stone were done in 177 cases. Perineal section was done in 6 cases for stricture of the urethra, and in 3 cases for perineal fistula.

Internal urethrotomy was performed in 6 cases, and external urethrotomy in one case, and paracentesis of the bladder through the rectum was done in 2 cases for retention of urine.

OPERATIONS ON THE MALE GENERATIVE ORGANS.—The penis was amputated for cancer in 9 cases during 20 years, 3 cases came for hypospadias, in which a new urethra was formed, one in 1882, and two in 1885.

Nineteen operations were performed for hydrocele, *viz.*, 9 in 1893, 5 in 1894, 3 in 1877 and one each in 1876 and 1886.

OPERATIONS ON THE FEMALE GENERATIVE ORGANS.—Twenty-four operations were performed under this head, *viz.*, 2 for imperforate vagina, 1 for recto-vaginal fistula, with abscess of anus, 1 for arm presentation, 10 for foetal remains and 10 for difficult labour.

OPERATIONS ON BONES AND JOINTS.—Operations or setting fractures were done in 109 cases, and 295 dislocations of different joints were reduced; 35 cases were operated on for necrosis of bones.

OPERATIONS ON LIMBS. AMPUTATIONS—One hundred and seventy-five amputations of limbs were done in 20 years, of which legs were amputated in 66 cases, fingers and toes in 53, foot in 24 cases, arm in 20 cases, and thigh in 12 cases, mostly for mycetoma and gangrene.

MEDICAL CASES.

SMALL-POX.—From 1876 to 1895 the small-pox cases, which attended the Ajmere Charitable Dispensary, numbered 153 only, and the number of deaths registered in the city from this disease was 799, giving a yearly average of 39·95 deaths.

The years 1884 and 1886 were the most fatal, next to which were the years 1887, 1892, 1885, 1883, and 1891 respectively. Very few cases of small-pox are treated at the dispensaries. Owing to religious prejudices people do not like to undergo medical treatment for this disease. Before the introduction of vaccination, this disease was very prevalent in epidemic form, and the people generally objected strongly to vaccination. But of late years vaccination operations have increased very much both in the city and the district. Many people in the city are now well acquainted with the advantages of vaccination, and do not oppose it as much as was done previously. Since 1895, the Vaccination Act has been made compulsory in Ajmere City.

The following is taken from Dr. Irvine's book on the General and Medical Topography of Ajmere, published in 1841, page 115:—

"Small-pox often becomes epidemic in the district, and is exceedingly severe and fatal especially at Ajmere; it generally appears about the beginning of the hot weather, is most severe when the weather is the hottest, and declines as the rains advance. Every fourth or fifth year the disease breaks out more severely, becoming a dreadful scourge, so much so, as to be a great check on the population."

Dr. Irvine used every effort to introduce and keep up vaccination, but found it almost impossible to keep up a supply of fresh lymph owing to the prejudice of the people against vaccination.

At page 116 of his book Dr. Irvine writes:—

"Last season (1840), in Ajmere alone 1,900 children died of this scourge. The ravages of the disease are visible in almost every face met with, and the number of wholly blind and one-eyed people from this cause is very great," and at page 154:—

"The small-pox has the greatest effect in depressing longevity by carrying off thousands

Mortality table of Small-pox, 1876 to 1895, Ajmere City.

both in infancy, and from eight to twenty-two years of age ; to this latter cause the small population may be mainly attributed."

DYSENTERY.—Seven hundred and seventy-five cases of dysentery were treated in the Ajmere Dispensary in 20 years, or an average of 353 per annum. Most of them occurred in August, and the least in February.

MALARIAL FEVER.—Forty-three thousand seven hundred and sixty-seven cases were treated in the Ajmere Dispensary from 1876 to 1895, or an average of 2186·36 per annum. Most of the cases attended the Dispensary in October and November, and the least in February and June. Fever generally prevails as soon as the rainy season is over. During 20 years, 12,560 deaths from fever were registered in Ajmere, giving an average of 628 deaths per annum. The year 1895 was the most fatal, and 1887 the least.

When fever occurs to any extent in the district, fever pills are distributed in the affected villages through the District Superintendent of Police.

SYPHILIS.—Nine thousand one hundred and fifty-two persons were treated for syphilitic affections during 20 years with a percentage of 2·52 cases among the total number of persons treated in the Dispensary from 1876 to 1895. Most of the cases came for medical treatment during June.

GONORRHœA.—Gonorrhœal diseases accounted for 7,676 persons who came for medical aid.

WORMS.—Persons suffering from intestinal worms numbered 3,526, or an average of 176 per annum.

DEBILITY.—Debility caused an admission of 1,738 cases during 20 years.

RHEUMATISM.—Rheumatic affections were very common in April, May, June and July and the persons treated for this disease during the 20 years numbered 14,530.

TUBERCULAR AFFECTIONS.—Tubercular affections caused an admission of 1,769 cases with an annual average of 884·5 cases. They were mostly seen in March and August.

LEPROSY.—In 20 years, 731 persons were treated for leprosy. This disease is not very common in Ajmere.

EYE DISEASES.—The diseases under this head gave 26,632 cases. Most of the cases of eye disease occurred in April, August and September. They are very common among children and young men.

DISEASES OF THE EAR.—Otorrhœa caused 16,935 admissions, of which the largest number was treated in August, and the least in February. The average admission per annum for diseases of the ear is 846.

DISEASES OF THE CIRCULATORY SYSTEM.—There were altogether 1,642 persons treated for these complaints. Most of the cases received treatment in June and September, and then from January to March.

CARDIAC DISEASES.—Are not very common.

DISEASES OF THE RESPIRATORY SYSTEM.—The months of November, December, January, February and March brought the largest number of such cases. They are common in the winter season.

PNEUMONIA.—Caused the highest admissions, but not in an epidemic form.

DIARRHŒA.—Seven thousand six hundred and ninety-six persons were treated for diarrhoea; the largest number was admitted in August, and the least in February.

DISEASES OF THE LIVER.—Liver diseases caused an admission of 1,133 cases only, with a percentage of .31 only among the total number of patients treated for all diseases from 1876 to 1895.

GOITRE.—Goitre is most rare, only 6 cases attended the Dispensary during 20 years.

DISEASES OF THE SPLEEN.—Splenic complaints caused an admission of 3,358 cases. Most of the cases were admitted in January, June, July and October.

DISEASES OF THE GENERATIVE SYSTEM.—Diseases under this head brought 1,097 cases for treatment.

DISEASES OF THE CONNECTIVE TISSUE.—34,379 persons were treated, with an annual average of 1,719 cases.

DISEASES OF THE SKIN.—Skin diseases caused an admission of 34,762 cases, with a percentage of 9.56 among the total number of patients treated during 20 years, the average annual admission being 1,738.

ULCERS.—Medical aid was given to 38,461 sufferers from ulcers during 20 years, the percentage to other diseases being 10.57. People generally suffer from ulcers during the rainy season in Ajmere.

Mortality Table, Ajmere City, 1876 to 1895.

YEARS.	DEATHS FROM										Population.	Number of deaths per million.	REMARKS.
	Cholera.	Small-pox.	Fever.	Bowel complaint.	Accident.	Snake bite.	Suicide.	Wounds.	All other causes.	Total.			
1876	...	148	510	219	14	1	...	...	387	1,279	31,583	40·50	
1877	...	314	457	187	15	...	...	...	334	1,307	31,583	41·38	Census of 1876.
1878	36	110	865	310	12	1	...	...	459	1,793	31,583	56·77	
1879	15	29	845	205	35	3	...	...	320	1,452	31,583	45·97	
1880	...	140	608	263	8	1	2	...	227	1,249	31,583	39·55	
1881	15	4	605	64	1	...	...	...	26	715	31,583	14·55	
1882	58	37	434	24	...	...	...	...	14	567	31,583	11·54	
1883	50	29	293	58	3	...	...	...	20	453	31,583	9·22	
1884	166	39	572	220	9	2	...	...	174	1,182	31,583	24·05	
1885	63	192	616	273	23	5	...	...	179	1,351	31,583	27·49	
1886	110	28	303	188	3	1	6	...	100	739	31,583	15·04	Census of 1881.
1887	91	3	257	161	10	1	4	...	63	590	31,583	12·00	
1888	13	167	497	177	53	2	3	...	117	1,029	31,583	20·94	
1889	29	144	589	137	69	3	1	...	298	1,270	31,583	25·84	
1890	1	7	516	129	61	2	7	...	185	908	31,583	18·47	
1891	47	357	684	221	170	2	...	...	226	1,707	31,583	24·80	
1892	86	198	1,036	469	271	...	3	...	333	2,396	31,583	34·80	Census of 1891.
1893	...	34	839	135	102	...	2	...	414	1,526	31,583	22·17	
1894	...	106	902	173	82	4	2	...	436	1,705	31,583	24·77	
1895	19	128	1,132	177	196	5	1	...	520	2,178	31,583	31·64	
Total	799	2,214	12,560	3,790	1,137	33	31	...	4,832	25,396	31,583	368·90	Census of 1891.
Average.	39·95	110·70	628·00	189·50	56·85	1·65	1·55	...	241·60	1,269·80	31,583	18·44	

HEALTH OF EACH MONTH.

JANUARY.—This month stands third in point of death-rate and eleventh in prevalence of diseases. Amongst the patients who attended the dispensary for different complaints, ulcers and diseases of the respiratory system were most common, followed by malarial fever. The month is the coldest in the year.

FEBRUARY.—February comes eleventh with respect to mortality and twelfth in point of prevalence of sickness. Respiratory affections are a little less than in January. Skin diseases give the largest admissions amongst the total number of patients treated in the dispensary, during this month. Fever, dysentery and diarrhoea are less than in last month.

MARCH.—March is the least fatal month, and as regards sickness it stands ninth.

Skin diseases and fevers are most common in this month, in proportion to the total number of patients treated for all diseases.

APRIL—Is ninth in order of mortality and eighth in point of sickness. Skin diseases give the highest rate of attendance, next to which stand diseases of the eye, followed by fever.

MAY.—May is fourth in the frequency of mortality and sixth in sickness.

Fever, eye diseases, diseases of the skin and ulcers give the largest number of attendances in the dispensary.

JUNE.—This month stands tenth in point of mortality and fifth as regards prevalence of diseases.

It comes eleventh with respect to the prevalence of malaria, skin diseases and ulcers, and diseases of the connective tissue which cause high rates of attendance.

JULY.—Comes eighth in regard to mortality and fourth in point of sickness.

Rheumatism was less frequent than in the preceding three months, but more general than throughout the rest of the months in the year. Dysentery and diarrhoea gave a higher rate of attendance than in the preceding months.

AUGUST.—August is fourth in point of death-rate, and the most unhealthy month throughout the year in regard to the prevalence of disease.

Ulcers, diseases of the skin, diseases of the connective tissue, eye diseases and fever are general.

SEPTEMBER.—The mortality of this month stands next to August, being seventh, but stands third as regards sickness. Malarial fever is more prevalent than in any of the preceding months, and gives the largest admissions in proportion to the total attendance.

OCTOBER.—Comes fifth as regards mortality and second in point of sickness. Fever is more frequent than during the rest of the months throughout the year—it gave the highest number of admissions amongst the total number of patients treated.

Dysentery and diarrhoea were not so frequent.

NOVEMBER.—November is the second most fatal of the months, but stands seventh in point of prevalence of diseases.

With regard to the prevalence of malaria and diseases of the respiratory system, it stands second.

DECEMBER.—December has the highest mortality and stands tenth on the list as regards sickness. Respiratory affections and fever give a larger number of attendance than any other disease.

Monthly Mortality from all Diseases in Ajmere, from 1876 to 1895.

NAMES.	1876	1877	1878	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	1890	1891	1892	1893	1894	1895	Total, 20 years		Mean.	Percentage to mortality total.	
January	•	134	176	139	101	212	86	42	39	46	107	82	30	48	186	101	71	322	128	252	123	2,425	121·25	955	
February	•	139	145	78	69	223	86	25	31	31	103	44	32	31	126	76	70	91	131	171	110	1,812	90·60	7·14	
March	•	83	162	109	57	174	64	32	26	39	101	54	30	37	101	133	51	109	103	142	170	1,777	88·85	7·00	
April	•	113	157	146	83	132	70	59	20	37	147	50	38	42	86	71	47	137	113	160	188	1,895	94·75	7·46	
May	•	124	89	132	99	72	41	48	24	54	201	76	36	127	104	68	134	93	148	93	155	274	2,099	104·95	8·27
June	•	101	92	156	84	56	38	90	24	61	156	51	30	112	90	38	91	295	95	83	133	1,876	93·80	7·39	
July	•	90	57	151	71	74	27	59	35	318	119	42	94	99	113	61	69	116	110	89	159	1,953	97·65	7·69	
August	•	106	73	166	82	57	76	49	88	182	106	40	59	91	89	66	143	147	114	145	171	2,050	102·45	8·97	
September	•	101	57	192	100	50	87	37	57	125	60	28	49	92	77	59	141	225	153	131	166	1,987	99·35	7·82	
October	•	83	58	165	54	50	39	38	103	55	40	73	96	91	74	152	320	149	102	151	2,089	104·45	8·23		
November	•	81	104	191	230	61	52	31	28	78	71	188	62	86	116	73	94	264	163	125	258	2,456	122·80	9·67	
December	•	124	137	168	280	84	38	56	43	108	125	44	57	168	91	88	544	222	175	150	275	2,977	148·85	11·72	
Total	•	1,279	1,307	1,452	1,249	715	567	453	1,182	1,351	739	590	1,029	1,270	908	1,707	2,396	1,526	1,705	2,178	25,396	1,26975	... ...	

Remarks on the General Health of Ajmere City with Notes on the prevailing Diseases from 1876 to 1895.

1876.—Taking the census figures of 1876, the death-rate for this year was 40·50 per 1,000 of population in Ajmere City.

The city was quite free from cholera, but 148 individuals died from small-pox, 510 from fevers, and 219 from bowel complaints. Rainfall, 24·09 inches.

1877.—This year was very similar to 1876 in regard to the death-rate, which was 41·38 per 1,000, or .88 more than in 1876.

Small-pox was more prevalent than in last year carrying off 314 persons against 148, while deaths from fevers and bowel complaints showed some decrease. Rainfall, 11·76 inches.

1878.—This year was very unhealthy, the mortality being 56·77 per 1,000 of population. The high rate of mortality was caused chiefly by fevers—865 deaths were reported from fever, 310 from bowel complaints, 110 from small-pox, and 36 from cholera. Small-pox was much less than in the previous two years. Rainfall, 31·05 inches.

1879.—In 1879 the death-rate fell from 56·77 to 45·97. There were 15 fatal cases from cholera and 29 from small-pox, against 15 and 29, respectively, in last year. Malarial fevers were very prevalent as in 1878. Rainfall, 27·5 inches.

1880.—The year was healthy, the death-rate being 39·55 or 6·42 less than in last year, and 17·22 less than in 1878. There were no cases of cholera. Small-pox increased much, the fatal cases being 140 against 29 in 1879. Malarial fevers were much less than in the previous year. Rainfall, 18·45 inches.

1881.—According to the census of 1881, the population of Ajmere amounted to 49,151 against 31,583 in 1871, and on this calculation the death-rate was only 14·55 per 1,000, which shows the year to be a healthy one. The registration of vital statistics was not altogether reliable; 15 fatal cases from cholera were reported during the year. Small-pox nearly died out; 4 deaths only were reported. Deaths from fever were similar to those in 1880. Rainfall, 21·30 inches.

1882.—Deaths from cholera and small-pox increased, but those from fever decreased. The death-rate was only 11·54. Rainfall, 27·24 inches.

1883.—According to the figures of registration, the year was most healthy, the death-rate being 9·22 per 1,000.

Deaths from fever decreased from 434 to 295. There was no marked decrease in cholera and small-pox. Rainfall, 17·40 inches.

1884.—The death-rate was 24·05 against 9·22 in 1883. There was a marked increase in deaths reported from cholera, fever and bowel complaints, the fatal cases registered being 166, 572 and 220, respectively, against 50, 295 and 58, respectively, in last year. Rainfall, 27·04 inches.

1885.—The death-rate increased from 24·05 to 27·49. Fatal cases of cholera decreased from 166 to 63, but deaths from small-pox, fevers and bowel complaints increased from 39, 572 and 220, respectively, in 1884 to 192, 616 and 273 during the year. On the whole the number of deaths registered was larger than in the preceding year. Rainfall, 24·77 inches.

1886.—The death-rate shows a great decrease, being 15·04 against 27·49 in 1885. This year small-pox decreased very much; the number of fatal cases reported was 28 against 192 in 1885. Cholera increased to a certain extent, reporting 110 deaths against 63 in last year. Deaths from fevers and bowel complaints also show marked decrease. Rainfall, 15·34 inches.

1887.—The death-rate was 12·00, which shows the year to have been a very healthy one. All the principal causes of deaths show decrease. Rainfall, 21·93 inches.

1888.—The death-rate was much higher than in 1887, being 20·94. An epidemic of small-pox prevailed to a great extent; 167 fatal cases were reported against 3 in the preceding year. Fever and bowel complaints also increased, but cholera was very much less, *viz.*, 13 against 91 in 1887. Rainfall, 24·42 inches.

1889.—The death-rate was the highest since 1881, being 25·84.

Deaths from small-pox and bowel complaints decreased from 167 and 177 to 144 and 137, respectively, but those from cholera and fevers increased from 13 and 497 to 29 and 589, respectively. Rainfall, 25·17 inches.

1890.—The death-rate decreased from 25·84 to 18·47.

Only one death from cholera and seven from small-pox were reported this year, against 29 and 144, respectively, in last year. Rainfall, 14·55 inches.

1891.—According to the census of 1891 the population of Ajmere was estimated at 68,843 against 49,151 in 1881.

The death-rate was 24·80. Small-pox prevailed in an epidemic form accounting for 357 deaths against 7 in 1890. Cholera deaths increased from 1 to 47. Rainfall, 8·93 inches.

1892.—The death-rate rose from 24·80 to 34·80.

Small-pox decreased much; this year there were 198 fatal cases, against 357 in 1891.

Cholera increased from 47 to 861; it was in an epidemic form in June. Out of 86 deaths during the year, 67 occurred in June. Fever also was very prevalent; 1,036 persons died from fever against 684 in 1891. Deaths from bowel complaints were more than double the number in last year. Rainfall, 20·87 inches.

1893.—The death-rate decreased from 34·80 to 22·17.

No cholera cases occurred this year. Fatal cases of small-pox were far less than last year, the figures for 1892 and 1893 being 198 and 34, respectively.

Deaths from bowel complaints were reduced from 469 to 135, and those from fever from 1,036 to 839. The year was very healthy. Rainfall, 32·83 inches.

1894.—The death-rate was 24·77 against 22·17 in 1893.

No cholera cases occurred. Deaths from small-pox increased from 34 to 106. All the other principal diseases show an increase to some extent. Rainfall, 26·99 inches.

1895.—The death-rate shows an increase of 6·87 as compared with last year.

Nineteen fatal cases of cholera occurred this year, while no cases occurred during the last two years. Of these cases, 11 were reported in May and 8 in November. Cases of malarial fever were more numerous than in 1894, the deaths reported being 1132 against 902 last year. Deaths from small-pox increased from 106 to 128. Rainfall, 4·43 inches.

The following table shows the orders of the months as regards conception and birth.—

IN AJMERE CITY.

Order.	Birth.	Order.	Conception.
1	November.	1	February.
2	October.	2	January.
3	September.	3	December.
4	August.	4	November.
5	December.	5	March.
6	July.	6	October.
7	January.	7	April.
8	May.	8	August.
9	June.	9	September.
10	March.	10	June.
11	April.	11	July.
12	February.	12	May.

The above table bears a strong resemblance to a similar table, originally drawn up by Colonel T. H. Hendley, C.I.E., regarding births and conception at Jeypore, and leads one to believe from the constancy and uniformity of the months in the position they are placed in the table, that the above results obtain throughout Rajputana. Dr. Hendley summarises the causes of the above results as follows :—

1. Vitality is higher in both males and females in December and January, and in the two months preceding and following those months.
2. In the cold season the food is richer, stronger and more stimulating.
3. Girls are more often sent to their husbands' homes in the winter than at other seasons.
4. Women are less troubled with menstrual disorders in the winter than in the summer.
5. The shastras or sacred writings enjoin comparative sexual abstinence during the hot season, and advise that extra and stronger food be used in the winter to build up the strength against the coming hot season.
6. Food is more abundant in the winter; expensive weddings are rare.
7. There are several large festivals in the winter in Rajputana at which time fathers and sons make their best endeavour to visit their homes from distant parts where they are engaged in trade.

Birth rate of Ajmere City from 1885 to 1895.

Months.	1884		1885		1886		1887		1888		1889		1890		1891		1892		1893		1894		1895		Total.		Average.		Conception.		Birth.	
	a	b	a	b	a	b	a	b	a	b	a	b	a	b	a	b	a	b	a	b	a	b	a	b	a	b	a	b	a	b		
January	7	45	2	119	3	54	6	34	10	21	9	56	5	66	9	50	9	87	6	114	1	164	11	154	...	964	7	8633	1	February	1	November
February	9	26	8	90	12	39	7	27	11	19	10	55	6	62	10	42	12	59	8	98	11	109	12	148	...	774	12	6450	2	January	2	October
March	8	43	11	66	4	53	12	20	9	45	12	31	12	40	8	51	11	65	9	96	6	153	5	227	...	890	10	7417	3	December	3	September
April	11	21	11	66	11	41	9	22	12	14	11	54	9	48	12	37	6	109	7	104	12	103	7	221	...	840	11	7000	4	November	4	August
May	12	15	9	81	5	51	11	21	8	66	3	95	9	48	11	39	10	86	11	79	7	137	8	217	...	955	8	7792	5	March	5	December
June	10	23	7	93	9	43	9	22	7	70	8	72	11	41	7	58	7	106	12	72	10	121	10	181	...	902	9	7517	6	October	6	July
July	3	97	4	109	9	43	7	27	5	75	5	90	3	83	6	95	8	102	10	94	9	134	4	231	...	1,180	6	6983	7	April	7	January
August	6	81	1	122	7	47	5	38	1	107	4	94	3	83	4	152	4	118	5	161	7	137	2	252	...	1,392	4	11600	8	August	8	May
September	4	94	5	105	8	46	4	45	6	74	2	100	1	96	1	205	5	116	2	221	4	164	6	223	...	1,489	3	12408	9	September	9	June
October	1	108	3	113	2	57	2	55	3	86	6	86	2	88	5	142	2	164	4	174	3	162	1	253	...	1,491	2	12425	10	June	10	March
November	5	83	6	94	1	62	1	71	2	90	1	107	7	59	3	156	3	147	1	339	4	155	3	238	...	1,601	1	13342	11	July	11	April
December	2	105	10	79	5	51	2	55	4	78	7	85	8	55	2	162	1	167	3	182	4	155	9	205	...	1,379	5	11492	12	May	12	February
TOTAL	...	741	...	1,137	...	587	...	437	...	748	...	925	...	769	...	1,189	...	1,326	...	1,734	...	1,694	...	2,580	...	13,837	...	115308	...			

a.—Order of months.

b.—Order of births.

CHOLERA.

From the mortality table of cholera from 1876 to 1895 it will be noted that the whole of the Ajmere District was free from cholera in 1894, and there were no cholera cases in the City of Ajmere during 1876, 1877, 1880, 1893 and 1894.

The following is a brief account, of cholera occurring in the Ajmere District since 1876.

1876. There were no cholera cases in the City, fifteen deaths were reported from the District, of which 11 occurred in May, 2 in September and one each in April and June.

1877. No cases in Ajmere City. Only 1 death reported in the District from the Goela circle during May.

1878. There were in all 198 fatal cases, of which 36 were in Ajmere City and the rest 162 from the District. The largest number, *viz.*, 61 occurred in the Sawar circle.

Out of 36 deaths in the city, 17 occurred in September, 15 in August, 2 in July and 1 each in April and May. In the District, July stood first, in which 56 deaths occurred, next to which was September, in which 48 deaths were reported. March was the least fatal, in which only 1 case was noted. January, October, November and December were free from it.

1879. There were 15 deaths in the City, and 120 in the District, total being 135.

Out of 15 deaths in the city, the largest number, *viz.*, 5 reported in April and the least *viz.*, 1 in December. No cases occurred from January to March and from August to November.

In the District the largest number of deaths, *viz.*, 50 was reported in May. No cases were reported in January, March and from September to November.

1880. No cases occurred in the City during this year, and only 3 deaths were reported from the District, 1 each during April, May and August.

1881. Fifteen cases occurred in the City and one in the District ; there were 7 in September, 6 in August, 2 in October and 1 in June.

1882. The total number of deaths reported was 281, of which 58 were recorded in the City.

August was the most fatal month.

1883. There were 84 fatal cases, *viz.*, 50 in the City and 34 in the District. In the City, 36 cases were reported in August, 9 in July and 5 in September.

1884. One hundred and sixty-six deaths in the City, 41 in the District ; the total number of deaths reported was 207. The disease lasted from May to September, the largest number of cases in one month (128) was in July and the least in May. In the City the number of deaths reported was as follows :—

May	.	.	.	.	.	.	.	.	.	.	.	.	.	1
June	.	.	.	.	.	.	.	.	.	.	.	.	.	3
July	.	.	.	.	.	.	.	.	.	.	.	.	.	114
August	.	.	.	.	.	.	.	.	.	.	.	.	.	43
September	.	.	.	.	.	.	.	.	.	.	.	.	.	5

1885. Cholera appeared on 3rd April and continued till 31st August, during which period 100 deaths were reported of which 63 occurred in the City. It broke out in the City in travellers who arrived in Ajmere by Railway from Ujjain, where a very severe epidemic of cholera had been raging previously.

1886. In this year 731 deaths occurred, of which 719 were reported in November, in December and one each in April and May. Of the total number reported there were 110 in Ajmere, *viz.*, 107 in November, 1 each in April, May and December.

On the 29th April one fatal case occurred in the person of a Eurasian who lived near the Kaisarganj ; the second fatal case occurred on the 23rd May in a Native woman living in the city near the magazine. Ajmere was altogether free from cholera until the opening of the Pushkar Fair, where the disease made its appearance on the 9th November afterwards spreading to the city of Ajmere and its suburbs, and in a few days becoming general throughout the whole district.

1887. Ninety-one deaths in Ajmere and 245 in the District, total being 336.

Out of the 91 deaths in the City, 56 occurred in July, 20 in August, 13 in June, and 2 in September.

Cholera broke out in the City on 14th June and lasted till the 15th September.

In the District the largest numbers of deaths were reported in July, the fatal cases being 106 and the least, *viz.*, 3 in October. The disease lasted from June to October.

1888. In this year only 13 fatal cases, *viz.*, one in April, 9 in August and 3 in September, were reported in the City, the District was altogether free from cholera.

1889. There were 29 deaths in the City and 26 in the District.

Cholera made its first appearance in the city on 7th June and lasted till 26th July. Three deaths were reported in June and 26 in July.

In the District there were 10 cases in July and 16 in August.

1890. In the City there were no deaths from cholera with the exception of one in August.

Cholera prevailed in a very severe epidemic form in the District, more especially in Bhinai, Kekri, Sawer and Goella villages where it was rife in June. The disease was imported into Kekri from Sapla, a village in the Kishengarh State, where, in the month of May there had been a Saraogi Fair. The month of June was the most fatal—330 deaths out of 387 occurred in this month in the District.

1891. During this year 532 deaths occurred, of which 47 were reported in the City and 485 in the District. The disease lasted from 2nd June to 12th November, the highest mortality, *viz.*, 202, was in August and the least 5, *viz.*, in November. The largest number of deaths was reported in Srinagar villages and Nasirabad Town, the fatal cases reported being 136 and 123, respectively.

1892. Cholera made its appearance in an epidemic form in the whole District and lasted from April till August. There were altogether 1,835 deaths including those in the City. Of these Bhinai villages gave the largest number, 342. Next to Bhinai the epidemic was unusually severe in Ajmere Rural District, Kekri Rural District, Manglaivas, Ghegal, Sawer, Srinagar and Masuda villages.

Out of 1,835 deaths only 86 occurred in the City and the rest 1,749 in the District. In the City 67 deaths were reported in June, 9 in May, 7 in April, and 3 in July, while in the District the fatal cases reported were 883 in June, 534 in May, 270 in July, 56 in April, and 6 in August. June was the most fatal month during the year, May being the next worse. The first case in Ajmere City was on the 4th April, in a Mussalman, in Kaisarganj; it did not transpire where the man came from. Of 12 cases attacked in April, 5 were travellers. Cases were reported as coming from Patiala, Gangar and Kishengarh. The first case in the City occurred on the 4th April and the last on the 16th July. There were, during this period, 156 cases and 86 deaths.

1893. No cases occurred in the city, and 3 deaths were reported in the district, one in April and 2 in May.

1894. This year was altogether free from cholera.

1895. Two hundred and eighty-six deaths were reported during this year, of which 19 occurred in the City, *viz.*, 11 in May and 8 in November, and the rest of the 267 deaths occurred in the District, of which 76 were reported in May, 146 in June, 6 in July, and 29 in November. Cholera broke out in May and lasted till July, during which period 249 deaths were reported, *viz.*, 11 in the City and 238 in the District. After the lapse of three months it again made its appearance in November, commencing on the 3rd and lasting till the 30th, during which time 37 deaths were reported, *viz.*, 8 in the City and 29 in the District.

It has been repeatedly noted that cholera does not commence so far as is known *de novo* in Ajmere or in the district, but comes from outside, and the most common sources are large fairs, notably those of Pushkar and Hardwar.

Dr. Irvine, in his book before quoted, at page 119, notes:—

"Common bilious cholera is not unfrequent during the hot season when melons and cucumbers are abundantly consumed, and is generally easily cured."

It is doubtful if this was true cholera, the disease being most probably diarrhoea and dyspepsia. Further on he says:—"Spasmodic cholera appears about once every 7 or 8 years in this district, while the neighbouring countries of Kotah and Boondi and Meywar are almost annually liable to its severest visitations."

CHOLERA EPIDEMICS. Particular attention is paid to the instructions contained in Government of India, Home Department, Circular No. ^{5 San.} ₁₄₈₋₁₅₉, dated 28th August 1893, to conduct investigations on the occurrence of a cholera epidemic, and the following points are noted:—

1. The history of cholera during the last few years.
2. The date on which the first case occurred.
3. The source and probable cause of the disease, subsequent circumstances leading to the progress, fall, and disappearance.
4. Whether the disease was imported from some other place, if so, whence?
5. The number of towns and villages attacked.
6. The number that escaped.
7. Distribution of disease by locality.
8. The sanitary condition of the place, mentioning drainage, conservancy, water-supply, food, clothing, and the degree of overcrowding, if any existed.
9. Conditions of climate at the time.

When cholera breaks out in Ajmere, the District Superintendent of Police is at once asked to instruct the Police Inspector to report to the City Hospital Assistant, all cases of diarrhoea and cholera that may occur daily in the city, and suburbs, of Ajmere, and to take precautions to prohibit the sale of stale meat, rotten fruit, and other such articles of food.

2. A cholera camp is at once opened.
3. Special attention is paid to the sanitation of the place.
4. When cholera prevails in the District, cholera pills are sent to the District Superintendent of Police for distribution in the villages, and all available help is rendered by the local Hospital Assistant. No specific treatment appears to have yielded results better than those obtained by the ordinary treatment of cholera, combined with proper accommodation and good and efficient nursing. The history of the different epidemics goes to show that, at the beginning of the outbreak the mortality is high, the death-rate decreasing as the epidemic goes on, and that towards the end the attacks are milder and the mortality comparatively low.

Statement showing deaths from Cholera and Small-pox in Ajmere.

YEAR.	Cholera.	Small-pox.
1870	...	...
1871	2	19
1872	...	7
1873	...	187
1874	...	167
1875	50	3
1876	...	148
1877	...	314
1878	36	110
1879	15	29
1880	...	140
1881	15	4
1882	58	37
1883	50	29
1884	166	39
1885	63	192
1886	110	28
1887	91	3
1888	13	167
1889	29	144
1890	1	7
1891	47	357
1892	86	198
1893	...	34
1894	...	106
1895	19	124
Total for 25 years		...

Mortality Table, Cholera, 1876 to 1895, Ajmere City.

Month.	1876.	1877.	1878.	1879.	1880.	1881.	1882.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	Total, 20 years.	Average.
January .	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
February .	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
March .	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
April .	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
May .	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
June .	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
July .	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
August .	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
September .	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
October .	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
November .	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
December .	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total .	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	36	15	...	15	58	50	166	63	110	91	13	29	1	47	86	...	19	19	799			

Mortality Table of Cholera from 1876 to 1895, whole District Ajmere.

Month.	1876.	1877.	1878.	1879.	1880.	1881.	1882.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	Total, 20 years.	Average.		
January	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
February	•	•	•	4	1	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	5	•25		
March	•	•	•	1	•	•	•	1	•	•	•	•	•	•	•	•	•	•	•	•	2	•10		
April	•	•	1	17	24	1	•	2	•	•	18	1	•	1	•	•	•	63	1	•	•	130	6•50	
May	•	•	11	•	10	50	1	•	2	•	2	32	1	•	•	•	32	•	543	2	•	97	783	39•15
June	•	•	1	•	33	10	•	1	46	•	5	26	•	41	•	3	330	86	950	•	•	146	1,678	83•90
July	•	•	•	•	56	26	•	•	60	9	128	14	•	162	•	36	23	43	273	•	•	6	836	41•80
August	•	•	•	29	2	1	6	101	60	61	9	•	75	9	16	2	202	6	•	•	•	579	28•90	
September	•	2	•	48	•	•	7	69	15	11	1	•	55	3	•	1	163	•	•	•	•	•	375	18•75
October	•	•	•	•	•	•	•	2	•	•	•	•	•	3	•	3	•	33	•	•	•	•	38	1•90
November	•	•	•	•	•	•	•	•	•	•	•	•	718	•	•	•	5	•	•	•	•	37	760	38•00
December	•	•	•	•	•	•	7	•	•	•	•	•	11	•	•	•	•	•	•	•	•	18	•90	
Total	•	15	1	198	120	3	16	281	84	207	100	731	336	13	55	388	532	1,835	3	•	286	5,204	260•15	

VACCINATION.

Vaccination was established in Ajmere-Merwara in November 1853 by Dr. Lord, who was Civil Surgeon of Ajmere at that time. Dr. Lord applied to the Medical Board for vaccinators, and two were employed on Rs. 10 each. The vaccination operations for the season 1853-54 were performed at the Dispensary and were carried on for five months during which time 127 individuals were vaccinated, of which 37 only were successful. After 1866 vaccination work was carried on in the City from house to house and not at the Hospital, and in 1867 a Native Superintendent was appointed with four vaccinators, paid by Government, and two by the Municipalities of Ajmere and Beawar.

Vaccination work continued to steadily increase year by year, and the number of vaccinators was increased in 1886-87 from six to eleven, with one Native Superintendent which is the present staff.

In October 1895 the Vaccination Act was extended to Ajmere City and Suburbs, and vaccination is now compulsory within the limits of the Ajmere Municipality. The vaccination season begins on the 1st of October and ends on the 31st March. During the season of 1895-96 the number of vaccinations performed in the Ajmere-Merwara District was 15,389, of which 15,147 were successful, giving an average of 98·4 per cent. of successful vaccinations. The average number of operations by each vaccinator was 1,399. The entire cost of all vaccinations for that season was Rs. 1,397, and for each successful case 17 pies.

After the introduction of the Vaccination Act into Ajmere City and Suburbs in 1895, the number of successful cases were more than doubled ; during the vaccination season 1894-95, 1,503 individuals were vaccinated in the City and Suburbs, while in 1895-96, the first season after the Act was introduced, 3,188 vaccinations were performed.

Fresh human lymph is kept active throughout the year in Ajmere, and fresh supplies of calf lymph are received during each vaccination season, by which the lymph is kept active and efficient.*

FAMINE.

The Famine Code of Ajmere-Merwara, lately revised by the Government of India, is being published. In it the duties of officers of the various departments at the time of famine are prescribed, and arrangements made for the distribution of gratuitous relief, relief works, medical inspection and aid, poor houses, kitchens, protection of cattle, utilization of forest, and other reliefs, etc.

The medical arrangements are as follows :—

i. The Chief Superintending Medical Officer of the Province shall be made responsible for the following duties :—

i. He should as soon as possible personally inspect any locality where any symptoms of abnormal suffering are observable, and shall submit a fortnightly return to the Administrative Medical Officer on the following matters :—

(i) Increase of illness and disease believed to be due to want of food.

* Owing to the difficulty in leaving Ajmere, the Civil Surgeon is rarely able to inspect vaccination or even dispensaries in the district. It is hoped that the appointment of an Assistant Surgeon may be made to enable him to perform these duties—T. H. H.

- (2) Number of cases of deaths due directly or indirectly to want of food, or cases of illness induced by want of food which have been brought to his notice.
- (3) Number of in and out-patients received in the hospitals or dispensaries of the district and in any special famine hospitals, which may be under the control of his subordinates, with such details of the cases as may be required.
- (4) The distribution of the subordinate medical staff and any increase to it that may be required.

2. He will specially direct attention to the water-supply, the lowness of wells and tanks and other sanitary conditions of the tract affected.

3. He shall issue such special instructions as are necessary, and advise the Civil officers regarding any alterations, he may consider necessary, in the rules for the treatment of famine patients, and in regard to their diet, and may, in case of urgency, issue direct any special instructions which he may consider necessary.

4. He shall, if necessary, from time to time, personally inspect and supervise the medical arrangements for famine relief and shall be responsible that such arrangements are duly made in each district. He shall advise and assist in laying out the camps at large relief works and other centres with special reference to the Hospital and water-supply.

5. At the end of any period of severe scarcity or famine he shall submit a general report on the operations of his department in connection with Famine Relief.

6. The Medical Officer in Civil Charge of a district shall also send copies of the fortnightly reports, required under para. 1, to the Assistant Commissioner, and shall also be responsible for reporting all cases of deaths (caused directly or indirectly by want of food) starvation, or illness due to starvation which may come to his knowledge.

7. He shall make tours through the district—

- (a) to inspect all medical and sanitary arrangements at relief works and centres ;
- (b) to ascertain, by weighment and otherwise, if the physique of the relief workers is being properly maintained ;
- (c) to examine the grain and other food which form the famine rations ;
- (d) to ascertain the condition of the people of the district generally.

A special Medical Officer should be appointed, if possible, for the purpose of these tours, otherwise they will be made by the Medical Officer in Civil Charge of each district, or as the Chief Commissioner may direct.

8. Hospital accommodation shall be provided at every relief work for the sick, as far as possible. A resident Hospital Assistant will be provided for every large work ; if there be no Medical Officer on the work, his duties shall be performed, as far as may be, by the officer in

charge, who shall send all cases of serious illness to the nearest place at which medical treatment is obtainable. The Hospital shall be inspected daily. Should serious illness, such as cholera, small-pox, or dysentery break out, the Officer in charge shall immediately send information to the Medical Officer and to the Assistant Commissioner.

9. The Medical Officer in Civil Charge of a district shall, if required by the Assistant Commissioner, specially inspect the labourers and visit the Hospitals at relief works or poor-houses, and shall aid the Civil Authorities in making the necessary arrangements for sanitation and for the proper care of the sick.

10. If the wage paid or ration given on any relief work, in any famine institution appears to the Medical Officer in charge of the district, or of the work or institution, to be insufficient for the support of the labourers or inmates, the Medical Officer shall report the matter to the Assistant Commissioner, who may order the ration to be increased, pending the order of the Commissioner, to whom the matter shall be reported.

11. To each poor-house shall be attached a Hospital, which shall be placed as near the poor house as is consistent with health. The Hospital shall be in charge of a Medical Officer.

The Hospital establishment will be selected by the Medical Officer, care being taken to engage paupers as far as possible.

The Hospital Assistant in charge of the poor-house Hospital shall send in to the Superintendent, a daily return showing the number of sick in Hospital, the daily admissions, discharges, and deaths, and the number of rations, and the quantity of extra food required for his patients. He should notice the condition of all the residents to see if they are improving, or the reverse. He should report at once to the Superintendent or the Civil Relief Officers if he believes the food to be insufficient or bad in quality.

For those who are specially emaciated he should prescribe special diet, such as milk, or ghi, or other nutriment. He should also report to the Superintendent, if he thinks that in any case the work exacted is too severe for any of the paupers.

HISTORY OF FAMINES IN AJMERE.

Since the beginning of this century, the first famine occurred in the Ajmere-Merwara District in 1812 and 1813, the second in 1847 and 1848, the third in 1868-70, and the fourth in 1890-92. Between these visitations there were periods of scarcity, but none of them assumed the proportions of a famine.

The famine of 1890-91 extended practically over the whole of Ajmere-Merwara, which covers an area of 2,710 square miles with a population of 542,358. It was a *tirkal* or triple famine of grain, water and fodder.

The Railway, which was opened from Agra to Ajmere in 1875 and was extended from Ajmere through the north of the Merwara District to Ahmedabad in 1880, saved the two districts from a disastrous mortality.

In the famine of 1868-70 the loss of population was estimated at 25 per cent or 106,500 out of 426,000; the mortality among the cattle was nearly 33 per cent. The price of staple food-grain was 3 seers per rupee, and the grain stocks had altogether failed, whereas in the famine of 1890-92 very few authenticated cases of starvation were reported. The mortality was, no doubt, abnormally high after the famine was over, owing to the outbreak of a fever epidemic.

The loss of cattle, notwithstanding extensive emigration, was extremely heavy, being about 20 per cent. or 187,481 out of 925,213 head of cattle. The Railway could carry sufficient grain to meet all food requirements, but the grass and other local fodder supplies entirely failed, and it was impossible to import enough grass at rates within the means of the people to keep the cattle alive.

During the famine year of 1868 the average rainfall of the Ajmere District was 9.28 inches, and that of Merwara 6.77 inches.

During the famines of 1890-92 the rains were very deficient in quantity and unfavourable in distribution. The average rainfall for Ajmere, calculated on the returns for the 33 years ending 1892-93, is 21.84 inches, and for Merwara 20.28 inches.

In 1891-92 only 8.50 inches of rain fell in the Ajmere District, and 10.24 inches in Merwara; this was even worse than in 1890-91, when the returns showed an average of 12.05 inches for Ajmere and 13.56 inches for Merwara.

The number of those who left the District during the famine of 1868-69 was stated to be 23,345 distributed as below:—

From Ajmere :	:	:	:	:	:	:	:	:	14,152
From Merwara :	:	:	:	:	:	:	:	:	9,193
<hr/>									
23,345									

The emigration commenced in October 1868 and continued till March 1869.

Of this number, as many as 10,950 finally returned.

The subjoined table gives the number of persons who emigrated, of those who returned, and of those who either died or remained away during the famine of 1890-92:—

District.	Emigrated.	Returned.	Died or remained away.
Ajmere	32,219	23,763	8,456
Merwara	6,209	4,554	1,655
TOTAL . .	38,428	28,317	10,111

During the famine of 1868-70 several relief works were opened in the District. The total cost to Government amounted to Rs. 7,59,407, and the daily average number of persons

employed on relief works under the supervision of the Public Works Department stood at 9,742. During the famine of 1890-92, the daily average number of labourers on relief works was 11,682 and the cost amounted to Rs. 12,54,116.

POOR-HOUSES.

Altogether three poor-houses were opened during the famine of 1890-92 in the Ajmere Merwara District, *viz.*, at Ajmere, Beawar and Todgarh. They were useful in three ways :—in providing maintenance for destitute persons who could not work; as a deterrent to lazy beggars who thronged the larger towns; and as a means of punishing famine labourers who would not work.

The poor-house at Ajmere was opened in January 1892, and was closed for admission on the 1st September 1892. On the 15th September the few remaining inmates were handed over to the Committee formed for the distribution of private charity.

The poor-house at Beawar was opened on the 23rd April 1892, that at Todgarh was originally started in January 1892 for the reception of sick persons who were really better qualified for the Hospital.

It was remodelled on the lines of a poor-house in June 1892. Thus the poor-house at Beawar was only open for five months, and that at Todgarh for three months.

The following statement shows the number of rations served in the poor-houses, and the cost of maintenance of the inmates during the famine :—

DISTRICT.	Number of rations served.	Cost of dieteting.		Cost of building and establishment etc.		Total cost of poor- houses.
		R	a. p.	R	a. p.	
Ajmere	7,203	463	7 2	1,119	13 4	1,583 4 6
Merwara	6,034	459	15 9	1,351	2 0	1,811 1 9
TOTAL .	13,237	923	6 11	2,470	15 4	3,394 6 3

The largest number on any one day in the Ajmere poor-house was 131, while the largest average daily number during any month was only 42, namely, in June 1892.

The total number of persons admitted into the Beawar and Todgarh poor-houses was 358. The largest number in the former was 105 in July, and in the latter 49 in June 1892.

Home labour was provided for *purdahnashin* women, deserted widows, and children, and other destitute persons who were unable, for reason of caste or otherwise, to come to the relief works, and for whom no other means of support could be found. This branch of relief was started in October 1891 and was closed in August 1892; 479:279 persons were

given such relief at a cost of Rs. 77,592, *viz.*, 479,267 persons in Ajmere District, and 12 persons in Merwara, costing Rs. 77,485 and Rs. 107, respectively.

IRRIGATION.

Before the famine of 1890-92 irrigation works in Ajmere-Merwara numbered 3,689, as detailed below, constructed at an aggregate cost of Rs. 43,30,832 up to 1877 (*i. e.*, Ajmere Rs. 30,09,933 : Merwara Rs. 13,20,899) :—

	<i>No. of tanks.</i>							
1. Ajmere Khalsa	1,235
2. „ Istimrar	1,353
3. „ Jagir	452
4. Merwara	649
							<i>TOTAL</i>	3,689

During the famine years of 1890-92, 104 irrigation works were undertaken in the district, *viz.*, 48 in Ajmere and 56 in Merwara. The total cost incurred on the above works is given in the following table :—

DISTRICT.	No. of irrigation works undertaken during the famine of 1890-92.			Total cost in rupees.		
	Imperial.	Local.	Total.	Imperial.	Local.	Total.
Ajmere	41	7	48	4,96,174	2,16,034	7,12,208
Merwara	56	...	56	1,39,854	...	1,39,854
TOTAL	97	7	104	6,36,028	2,16,034	8,52,062

With the aid of the Takavi loans granted under the Land Improvement Loans Act, 1896, tanks were either constructed or improved during the late scarcity in addition to the number in the foregoing table. The works thus undertaken are expected by the Civil authorities to be remunerative.

LUNATIC ASYLUM.

Before the opening of the new General Hospital there were four rooms attached to the old hospital in the city, sufficient for accommodating four lunatics.

At present lunatics are kept in the Jail Lunatic Asylum as a temporary measure. All confirmed lunatics, after observation, are sent to the Delhi Asylum.

A separate building for lunatics is urgently required for Ajmere-Merwara.

EDUCATION—MAYO COLLEGE.*

The late Lord Mayo, at a Durbar held at Ajmere in 1870, proposed to the assembled Chiefs of Rajasthan that they should subscribe towards the endowment of a college for the education of their sons and those of their Thakurs or nobles, promising on behalf of the Government of India a sum equal to the aggregate amount collected.

The object of the college was declared to be not merely the acquirement of book-learning, but the stimulation of that energy of mind and body, which the nobility of Rajasthan so warmly admire in English gentlemen, and for the attainment of which they themselves are so peculiarly fitted. The Viceroy's proposal was met in the most liberal spirit, 15 of the 18 states of Rajputana promised subscriptions amounting to Rs. 6,26,000, and the Government of India fixed its contribution at seven lakhs. The following body called the Council is constituted as follows :—

President :

His Excellency the Viceroy.

Vice-President :

The Agent, Governor General, for Rajputana.

Members :

The Commissioner of Ajmere.

The 15 Chiefs who subscribed to the endowment, and the Maharawals of Jasilmer and Dungarpur, and the Political Officers accredited to the several States.

Secretary :

The Principal of the Mayo College.

At the close of 1874 the late Colonel Sir Oliver St. John was appointed the first Principal, and the college was opened for the reception of boys in October 1875. The total number of admissions up to the 30th September 1896 was 262, of which 72 were on the college roll of that year. Major (now Colonel) Powlett officiated as Principal of the college for two months in 1878, and was relieved by Captain (now Colonel) Loch, A. D. C., the present Principal.

Boarding houses have been built by the following States at their own expense :—

Oodeypore to accommodate 12 pupils.

Jeypore	"	"	10	do.
Jodhpore	"	"	12	do.
Bikanir	"	"	10	do.
Ulwar	"	"	7	do.
Bhurtpore	"	"	7	do.
Jhalawar	"	"	6	do.
Tonk	"	"	7	do.
Kotah	"	"	7	do.

*The Mayo College and Government College are under the medical charge of the Civil Surgeon.—T. H. H.

The Mayo College main building, the Ajmere boarding house (to accommodate 12 boys) the Principal's and the Head Master's residences were built by Government. There are no tuition fees except for drawing, which is a voluntary subject. The only demand which is made from the parents of the boys is the small sum of Rs. 50 per annum, and known as the Book, Play, and Medical Fund.

The college curriculum includes :—

- (a) English,
- (b) General Knowledge,
- (c) Hindi and Urdu, with its corresponding classical language Sanscrit or Persian,
- (d) Arithmetic,
- (e) History and Geography.

The boys are well provided for and looked after physically.

Riding, gymnastic exercises, all games, and target practice are taught.

The Civil Surgeon, Ajmere, is in medical charge of the college, and the health of the boys is excellent. The Budget Estimate for year 1897-98 is as follows:—

	Rs.
Receipts	48,586
Expenditure	48,360
Surplus . .	<u>226</u>

In Ajmere City there are various institutions imparting education to 1,921 boys and girls.

There are the City Branch School with	340 scholars
Government college	383 "
Mayo college	80 "
Missionary School	236 "
Arya Samaj School	476 "
Railway School	51 "
Convent School	40 "
Normal School	12 "
Girls' School	103 "
Durgah School	<u>200</u> "
	1,921 "

Of this total, 1,292 are Hindus, 498 Musalmans, 125 Christians, and 6 others.

This statement does not include schools under private management, such as the Mission Girls' Schools, a Parsee, a Deccani, a Church of England, Native, and a Bengali School ; probably all these together give instructions to about 150, and besides these there are some fifty small Native schools teaching the elements to some 1,500.

The City Branch School and the Government College, as also the Girls' Schools and the Normal School are assisted from Municipal Funds, are under Government control, and are directly under the supervision of the Principal of the College.

The Government College, affiliated to the Calcutta University in 1861, was affiliated to the Allahabad University in 1888, and until the present year, 1896, the standard taught did not go beyond the First Arts or intermediate examination of these Universities. Boys on completing their course here proceeded to the colleges of the North-Western Provinces to take their degrees, but in July 1896 classes were opened for the instruction up to the B. A. standard. The citizens of Ajmere and Beawar contributed handsomely towards an Endowment Fund, which is supplemented by grants from the Municipalities of Ajmere Beawar, Nasirabad and Kekri, and it is hoped that Government will complete the sum necessary for the maintenance of a full staff. There are, in 1896, 42 boys in the Entrance Class preparing for their Matriculation, whilst in the four college classes there are 55.

In the College is a well-stocked library and a collection of scientific apparatus, and in its grounds is a boarding house for the accommodation of boys attending the Normal School, and of boys from the village schools who have obtained scholarships. Provision is made for 50 boys.

The staff of the College and Branch School consists of the Principal, the Head Masters of the two institutions, 6 Professors, 13 English teachers, 9 Pundits, 9 Moulvies, and a Librarian clerk.

The Mission School teaches up to the Entrance Standard, the Arya Samaj School (founded in 1888) to the same.

Both these schools serve as feeders to the Government College, as do also the schools at Beawar and Nasirabad.

These two last mentioned are managed by the United Presbyterian Mission and are in receipt of aid from Municipal or Cantonment Funds, and of a grant-in-aid from Government.

They are inspected by the Principal of the Government College in his capacity of Inspector of Schools. They provide instructions for 357 and 307 boys, respectively, and teach up to the Entrance Standard.

During the year 1876-77 the District Schools were reorganised. They are supported by Government and from the educational share (one per cent.) of the 3½ per cent. cess. Since then there has been no change in the number of schools, they remain 8 Tehsil (secondary), and 41 Hulkabundi (primary), but whereas in 1876 the total number of boys attending these schools was 1,770, the total now is 4,085, of whom 2,788 are in Ajmere, 1,297 in Merwara. It is expected that steps will shortly be taken whereby the number of these village schools will be extended. A small but efficient Normal School, where promising boys from the village schools are trained as village school teachers, is accommodated in the Government College.

Female education does not make much progress. There are two schools in Ajmere City and one each at Rajgarh, Beawar and Kekri, with altogether 231 pupils.

The following statement gives statistics of the schools above mentioned.

CLASS.	Number of Schools,	Number of Pupils,	Average daily attendance.	EXPENDITURE FROM					Total Expenditure.
				Imperial Funds,	Local Rates or Cess,	Municipal Funds,	Fees,	All other sources,	
Ajmere Government College	1	383	358·70	20,888	...	344	4,847	540	26,619
Ajmere City Branch School	1	340	254·06	1,860	...	2,520	812	...	5,192
Beawar Municipal School	1	167	136·38	...	...	1,184	97	...	1,281
Tehsils and Halkabandi Schools.	49	4,085	3,290·75	4,830	8,625	376	1,521	...	15,352
Girl's Schools	5	231	150·78	674	30	408	...	...	1,112
Ajmere Normal School	1	12	10·42	1,369	...	...	...	...	1,369
Grant-in-Aid Mission High School, Beawar	1	357	263·44	960	...	2,520	479	2,378	6,337
" " Nasirabad	1	307	260·00	900	...	2,100	895	2,497	6,392
Grant-in-Aid Ajmere Railway School	1	51	62·52	1,200	...	...	1,486	700	3,386
TOTAL . . .	61	5,933	4,787·05	32,681	8,655	9,452	10,137	6,115	67,040
UNAIDED SCHOOLS.									
Ajmere Normal School	1	236	206·00			(not known)			
.. D. A. A. V. School	1	476	281·05	...	...	...	1,439	1,596	3,035
Private School . . . . .	...	1,650							
Mayo College . . . . .	...	80							
Railway School . . . . .	...	51							
Convent . . . . .	...	40							
Durgah . . . . .	...	203							
TOTAL . . .	...	8,666							

JAIL.

^{1860.} Before 1860 all the prisoners of this district were lodged in the Abdullahpura-ki-serai in the City near the Railway Station. The present jail was built sometime after that year, and the prisoners were transferred to it from the old jail near the Railway Station.

In the beginning, the jail consisted of an inner circle and a main wall only, the barracks, outside the inner circle, *viz.*, Nos. 10, 11, 12, 13 and 14, were added during the years 1872-73.

^{1875.} A range of twelve new solitary cells was added in 1875, and the treadmill with the ^{1879.} roofed building for it, was built four years later in 1879.

^{1880.} In 1880 the old latrine in Barrack No. 2 was removed and was replaced by a new one. The tile-roofed latrines in Barracks Nos. 4, 5, 6 and 8 were removed, and smaller and tidier latrines with Slabbed roofs were built in their stead. One of the store godowns was converted into a ward for European prisoners during 1881-82, and additions in the shape of one verandah and one bath-room were made.

^{1883.} A new Barrack for the reception of under-trial and juvenile prisoners was commenced during 1882 and completed in 1883 at a cost of Rs. 1,313.

^{1884.} The single-storied Barrack in ward No. 9 was converted into a double-storied one in the year 1884, at a cost of Rs. 5,674-6-11.

^{1885.} In 1885 the approach to the Havalat, hitherto quite open and unprotected, was screened in by the erection of a wall and a gate, two rooms for the Havalat Guard being added at the same time.

^{1886.} During the year 1886 twelve new quarters with court-yards at the back were built for jail warders and a factory erected in the juvenile ward. In ward No. 1 a new double-storied Barrack was commenced and completed in the next year, when also the old chulas were replaced by new ones built according to the standard plan of the North-Western Provinces jails, at the suggestion of the Inspector General of Jails, North-Western Provinces and Oudh. Alterations improving the ventilation of the solitary cells and effecting complete isolation of the prisoners therein confined, were made and the latrines, in the Civil prisoners' Barrack, were provided with gratings. The scarcity of water in the jail well having necessitated the digging of a new well, one was commenced in the Mir Shah Ali garden, and the present well commenced in 1887 and completed in 1888 was the result. Pipes were laid down from the Mir Shah Ali well to the jail between 1888-89.

¹⁸⁹⁰ During this year, the gratings of six Barracks which were unsafe and did not afford thorough ventilation, were removed and replaced by new ones of a larger size, and in addition to these, two grated windows were fixed in the end walls of each of the six Barracks corresponding to the doors in front. The water pipes were extended from the outer circle to the inner circle of the jail and also to the garden. The open space between the outer and the inner gateways of the jail was roofed. The old dead-house near the jail was converted into a contagious disease ward.

AJMERE JAIL

SHEWING SITE PROPOSED EXTENSION GENERAL PLAN

Scale 1 Inch = 49 Feet.

REFERENCES.

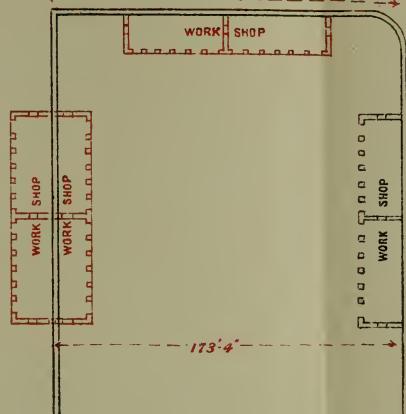
Proposed new work shewn in Red

Old

"

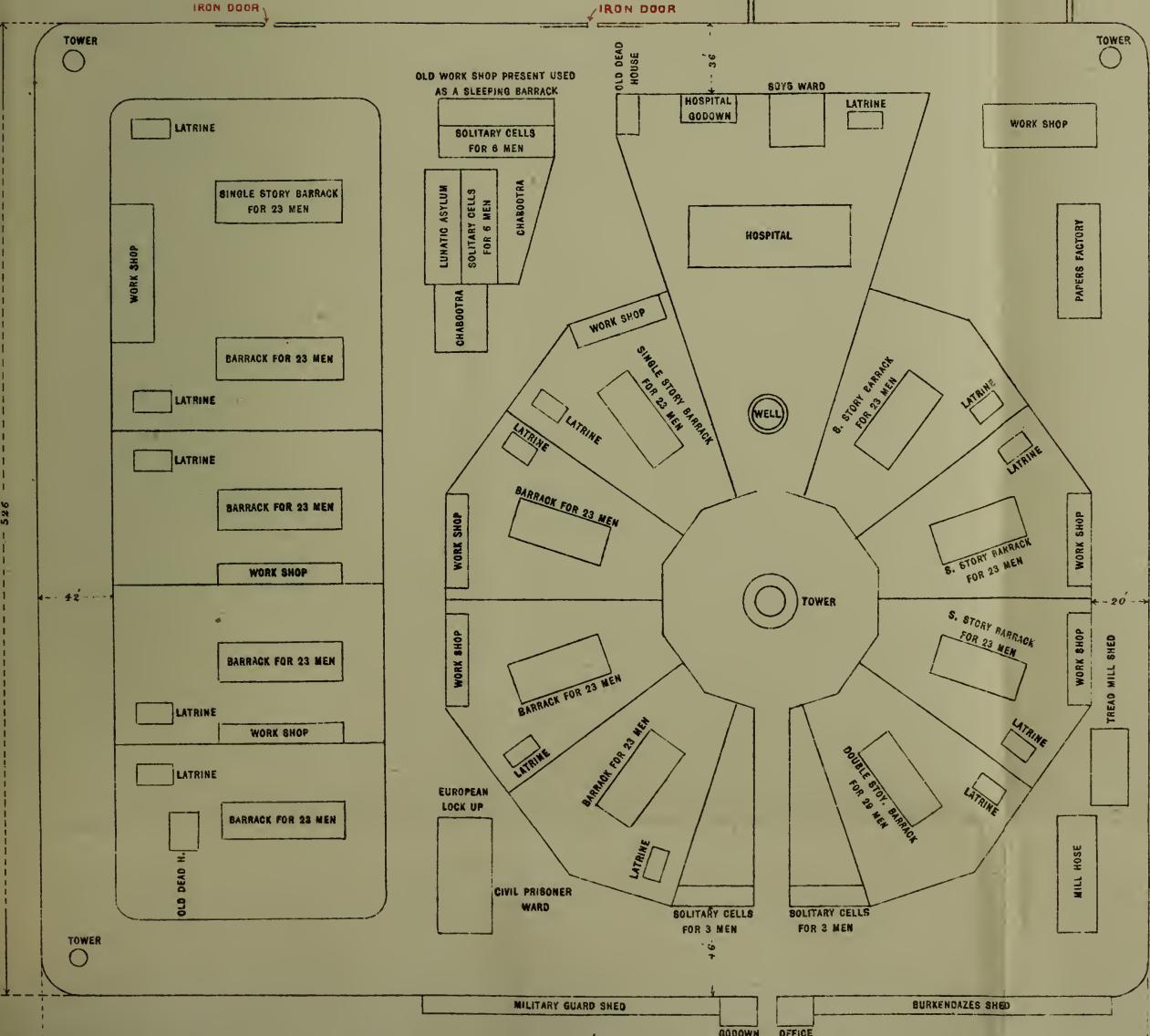
Black line

177' 4"



IRON DOOR

IRON DOOR



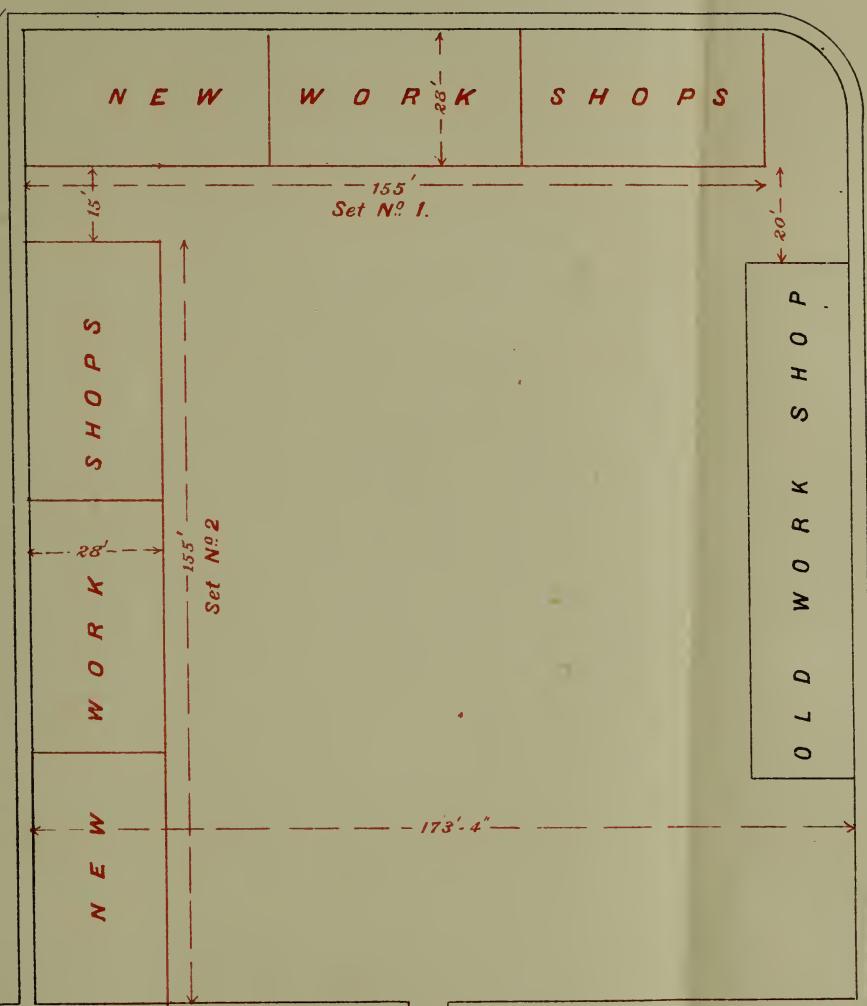
Site Plan shewing arrangement of the New Workshops in Ajmere Jail.

Scale 1 Inch = 40 Feet.

REFERENCES.

New Work shewn in Red

Old " " Black



OLD DEAD
HOUSE

HOSPT GODN

BOYS WARD

LATRINE

OLD WORK SHOP

The tiled-roofs of workshops attached to Barracks Nos. 7 and 8 were replaced by stone slabs. ^{1892.}

Pipes were laid down from the Merwara Battalion lines to the jail, so that in times of scarcity water may be available from the Foy Sagar. ^{1893.}

A new enclosure containing worksheds, which was begun in the preceding year, was completed during this year. Two bathing platforms, one inside the jail for convicts, and another outside the jail for jail warders and under-trial prisoners, were finished during the year, and the quarters for the Merwara Battalion guard were provided with a slab roof. ^{1894.}

An armoury was built in the verandah of the factory godown near the main gate of the jail. A Donaldson's patent Ejector, for removing night-soil outside the jail, was fixed in the jail enclosure-wall towards the jail garden. A compound wall in front of the jail was constructed during the year. ^{1895.}

According to the suggestions laid down by the Commissioner in his remarks dated 14th September 1894, in the visitors' book, a better canopy over the central watch-tower has been constructed, and two openings in the roof of the kitchens, for the escape of smoke, were made during the year. In July 1895 the jail staff was re-organised at the suggestion of Brigade-Surgeon-Lieutenant-Colonel Sir Alfred Lethbridge. Under this re-organisation the staff of the jail was reduced, made cheaper, and more effective. A reserve guard was established, who are armed, drilled, and wear a distinctive uniform. This guard has taken the place of the Merwara Battalion Guard who for so long guarded the entrance to the jail. The management, discipline and manufactures of this jail have been brought by degrees, and under the superintendence of successive Civil Surgeons, to its present state of high efficiency, and on account of its central position, is very properly looked upon as a model for the jails of neighbouring States. The carpet manufactory is second-to-none in all India, and carpets of the finest wool, of beautiful designs and of the best manufacture, are made in the jail all the year round.

These carpets are ordered in much larger numbers than the jail Factory can ever comply with; the principal reason for which is that fewer long-term prisoners are now sent to this jail than in former years.

During 1895 the actual profit of the jail Factory amounted to Rs. 4,001-12-6, and the average earning of each prisoner in the jail amounted to Rs. 14-1-9 for the year.

The health of the prisoners in the jail is excellent, and the average mortality and admissions to Hospital, are low. 1895, owing to an epidemic of relapsing fever, was an exceptionally bad year.

Detailed statement of the Permanent Establishment of the Central Jail, Ajmere, as it stood on 1st April 1896.

PRESENT INCUMBENT'S DATE OF APPOINTMENT to present post.	Promotion to present pay.	Name of section and post.	Date of incumbent's birth (as near as possible).	Name of Incumbent.	PAY OF POST.		Pay of present incumbent and Total of each section.
					Minim.	Maxim.	
4th April 1895 .	.....	Superintendent, Jail	2nd October 1853 .	P. W. Pank, Esq.	R.	R.	R. 150
28th November 1881 .	1st July 1895 .	OFFICE ESTABLISHMENT.	12th September 1852 .	L. Maya Das	100	125	100
1st February 1896 .	Ditto .	Jailor .	12th December 1874 .	Jawahar Lal	40	50	40
1st July 1895 .	Ditto .	Deputy Jailor .	1870 .	L. Debi Das	30	40	12
		Assistant Jailor .					
		MEDICAL ESTABLISHMENT.					
1st March 1881 .	15th October 1885 .	Hospital Assistant .	1st April 1851 .	Md. Abdullah Khan	... ...	...	55
21st May 1893 .	1st July 1895 .	WARDER ESTABLISHMENT.	13th May 1867 .	L. Ram Sarup .	20	25	20
15th May 1895 .	Ditto .	Chief Head Warder .	1870 .	S. Ilahi Bux .	15	20	15
Ditto .	Ditto .	Head Warder .	.	.....	...	...	20
Ditto .	Ditto .	Two first-grade Warders at Rs. 10 each .	.....	.....	...	...	81
Ditto .	Ditto .	Nine second-grade Warders at Rs. 9 each .	.....	.....	...	...	96
Ditto .	Ditto .	Twelve third-grade Warders at Rs. 8 each .	.....	.....	...	...
10th May 1890 .	Ditto .	Female Warder .	(Unknown) .	Sakinia .	...	...	7
		RESERVE WARDER GUARD.					
19th October 1895 .	Ditto .	Head Warder .	1855 .	Zora .	12	15	12
Ditto .	Ditto .	First-grade Warder .	.....	Vacant .	...	...	10
1st April 1891 .	1st July 1895 .	Second-grade Warder .	10th November 1862 .	Janki Prasada .	...	...	9
Ditto .	Ditto .	Four third-grade Warders at Rs. 8 each .	.....	.....	...	...	32
		FACTORY ESTABLISHMENT.					
1st October 1887 .	Ditto .	Dyer .	18th February 1847 .	S. Nabi Bux .	...	...	20
		GRAND TOTAL .			...	...	679

Government of India, Foreign Department No. 4050—L, dated 3rd December 1894, covering creation of orders creating posts.

No. XIII.

Statement showing the net cash Earnings of Convicts sentenced to labour in the Central Jail at Ajmere during the year 1895.

Name of jail.	Average number sentenced to labour.	Average number employed on jail	Manufactures.					Cash balance on 1st January 1895.	Cash drawn on manufacturing account during the year (A).	Paid into treasury of manufacturing account (B).	Total.	Cash balance in hand on 1st January 1895.	Cash accounts in hand on 1st January 1895.	Total.	Cash earnings (being total of column 9 less total of column 6). Total.	Average earnings per head calculated on column 2.	Average earnings per head calculated on column 3.	REMARKS.	13	
			5	6	7	8	9													
Central Jail, Ajmere. }	283·64	155·51	.....	4,773 13 6	4,773 13 6	8,775 10 0	.....	8,775 10 0	4,001 12 6	14 1 9	25 11 9	14 1 9	25 11 9	14 1 9	25 11 9	14 1 9	25 11 9	14 1 9	25 11 9	Total profit for 1895, Rs. 4,001-12-6.
Total	283·64	155·51	.....	4,773 13 6	4,773 13 6	8,775 10 0	.....	8,775 10 0	4,001 12 6	14 1 9	25 11 9	14 1 9	25 11 9	14 1 9	25 11 9	14 1 9	25 11 9	14 1 9	25 11 9	

Table showing the mortality rate in the Ajmere Jail from 1880 to 1895.

MONTH.	1880.	1881.	1882.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	Total.	Mean Mortality.
January	1	...	1	1	3	1	...	3	1	1	1	1	13	.81
February	•	...	1	...	...	2	1	1	...	...	...	3	1	...	2	11	.69
March	•	2	1	1	3	7	.44
April	•	...	...	...	...	3	2	...	...	1	...	1	...	...	7	14	.87
May	•	...	...	...	...	2	...	...	1	...	1	2	...	...	2	8	.5
June	•	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	.06
July	•	...	...	...	1	...	1	1	...	...	...	...	1	...	...	4	.25
August	•	...	3	2	...	...	...	7	...	...	1	...	...	1	...	14	.87
September	•	...	1	4	1	...	...	...	...	1	...	2	3	...	...	12	.75
October	•	1	...	2	...	1	...	1	1	...	1	...	1	...	8	.5
November	•	1	2	1	...	1	1	...	2	...	8	.5
December	•	1	...	2	1	...	1	...	1	...	5	...	1	1	1	13	.81	
Total	5	2	13	6	2	9	11	9	2	3	3	3	11	12	4	6	15	113

Table of Admission of sick in the Ajmere Jail from 1880 to 1895.

MONTH.	1880.	1881.	1882.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	Total.	Mean of 16 years.	Mean mortality for 16 years.	
January	23	7	8	17	11	6	5	19	13	9	12	6	31	7	8	14	196	12·25	.81	
February	•	21	12	6	14	11	5	8	11	6	11	2	8	8	3	50	187	11·69	.69	
March	•	25	9	13	27	8	7	12	5	9	5	13	7	5	4	5	114	268	16·75	.44
April	•	28	23	18	18	21	18	16	21	6	10	21	13	3	8	1	57	282	17·62	.87
May	•	30	11	19	15	12	17	14	11	14	8	15	12	10	5	6	6	205	12·81	.5
June	•	39	18	6	19	7	16	18	23	12	12	12	7	10	10	4	4	217	13·56	.66
July	5	24	12	11	28	9	13	18	24	12	6	8	11	7	5	5	4	197	12·31	.25
August	•	31	20	23	24	8	19	23	47	18	8	13	9	14	10	17	4	288	18·00	.87
September	•	39	24	27	14	16	23	23	27	20	6	10	9	21	9	12	6	286	17·87	.75
October	•	50	24	15	9	21	14	19	19	25	5	5	7	24	9	6	5	257	16·66	.5
November	•	22	20	14	16	20	16	21	13	15	5	10	13	4	13	5	5	220	13·75	.5
December	•	7	12	11	9	11	13	16	13	9	10	2	36	7	4	12	6	178	11·12	.81
Total	•	339	192	171	210	155	167	193	233	159	103	127	129	153	83	92	275	2,781	173·81	7·06

Table of number of Prisoners in the Ajmere Jail from 1880 to 1895.

MONTH.	1880.	1881.	1882.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	Total.	Average, 16 years
January	• 524'81	402'10	451'43	575'09	589'53	590'16	577'97	412'32	383'29	436'29	392'84	348'90	482'36	344'10	331'32	345'26	7187'77	449'24
February	• 510'75	418'40	438'98	541'00	560'80	584'64	573'82	339'07	390'61	431'17	378'10	331'14	494'38	309'75	342'53	358'32	7003'46	437'72
March	• 500'11	410'39	424'59	537'38	524'90	571'91	589'48	286'03	409'22	396'90	383'35	323'23	399'44	316'86	308'68	348'25	6730'72	420'64
April	• 499'44	430'15	434'38	485'43	528'79	559'32	586'86	326'92	429'06	388'70	402'59	347'53	422'33	351'20	302'96	327'13	6822'79	426'42
May	• 488'35	422'85	440'55	518'61	560'68	566'22	574'93	366'86	432'16	416'84	408'29	327'39	428'61	349'13	315'41	312'61	6923'49	432'66
June	• 493'38	426'42	477'47	543'83	572'33	564'40	584'96	384'70	413'43	438'00	393'00	315'14	452'10	346'46	341'10	313'80	7060'52	441'28
July	• 511'60	430'29	491'84	547'86	574'38	560'71	506'28	393'35	421'83	476'32	397'74	342'19	478'03	345'92	335'93	329'84	7144'11	446'51
August	• 496'43	430'95	531'26	574'06	600'22	594'06	406'42	311'17	415'07	429'26	405'96	368'48	479'39	336'13	343'86	330'16	7052'88	440'80
September	• 480'76	437'87	546'59	591'67	615'43	572'45	453'76	330'72	414'19	427'60	371'30	464'96	559'67	341'90	353'53	331'23	7293'63	455'85
October	• 473'02	448'31	574'99	607'19	624'75	557'93	453'64	335'15	407'26	426'61	364'29	586'23	409'53	343'58	351'42	319'45	7283'35	455'21
November	• 424'85	448'98	568'85	612'01	627'95	552'30	454'63	349'00	399'89	403'30	355'27	598'33	376'66	330'13	343'87	327'37	7172'79	448'30
December	• 408'36	446'42	565'93	604'52	612'39	583'00	426'81	360'87	432'19	396'22	344'62	530'74	354'93	328'06	337'42	327'87	7060'35	441'27
Total	• 5811'86	5153'13	5946'86	6738'65	6992'15	6857'10	6189'56	4190'16	4948'20	5067'21	4597'35	4884'26	5336'83	4043'22	4008'03	3971'29	84735'86	5295'99

CHIEF TOWNS.

In the Ajmere-Merwara District there are four chief towns—three in Ajmere and one in Merwara.

In the Ajmere District the three chief towns are—Ajmere, previously described, Nasirabad and Kekri.

Nasirabad has a population of 21,710 and is a military station, 15 miles from Ajmere by a good metalled road, and is also connected with Ajmere by railway.

Kekri has a population of 7,100 and is 50 miles by a metalled road from Ajmere; there is a Dispensary at Kekri: this town is increasing as a market, and the small annual Tejaji Fair is becoming a recognised commercial as well as religious institution.

In Merwara, *Beawar* is the chief town, with a population of 20,978 and is 33 miles from Ajmere by a good metalled road, or by rail. There is a dispensary at Beawar. Beawar is growing into the chief market of import and export in Western Rajputana. The principal export is pressed cotton. Beawar is a very modern town, and was founded about 1835.

CIVIL SURGEON'S DUTIES.

The duties of the Civil Surgeon of Ajmere are many, and the claims made on his time are extensive.

He is in charge of the General Hospital, including the Police Hospital and district dispensaries, is Consulting Surgeon to the Railway, which includes regular visits to the Railway Hospital where he sees all the in-patients and any out-patients wishing to consult him; he has to attend on families of officials of the Railway who ask for his advice, and he has to examine all candidates for employment in the railway, as well as Government officials employed by the railway applying for pension. He is Superintendent of the Central Jail and is responsible for the entire working of that institution. He is in Medical Charge of the Merwara Battalion, and performs all the work of Medical Officer to that Regiment. He is Medical Officer to the Mayo College and to the Government College. He is an *ex-officio* member of the Municipal Committee, attends Municipal meetings and makes weekly sanitary inspections of the City and Suburbs, and is convener of the sanitary Sub-Committee. He is Superintendent of the Vaccination Department for Ajmere-Merwara, and is in Medical charge of the Civil Station of Ajmere. It is, therefore, impossible for him to attempt anything like a tour into the district, to inspect outlying dispensaries, or to check vaccination operations, or inspect village sanitation. His multifarious duties will not admit of his leaving Ajmere, except under exceptional circumstances, for which special arrangements have to be made.

Ajmere is just one of those Civil Medical charges, which would greatly benefit by the proposal of Government, if carried into effect, which was recently made to provide some Civil Stations and Districts with an Assistant Surgeon, who, acting under the Civil Surgeon's orders, could be deputed to make periodical inspections in the district of vaccination, of sanitation, of the district dispensaries and be made responsible for the correct collection of all vital statistics which are at present very defective.

List of Civil Surgeons of Ajmere from the date of the opening of the Ajmere Dispensary.

AMES.	From	To	REMARKS.
Asst. Surgn. R. W. Macaulay	15th Jan. 1851 .	30th Nov. 1851	
" " J. F. Imlach, M.D.	1st Dec. 1851 .	30th Nov. 1852	
" " H. A. Ebden, M.D.	1st Dec. 1852 .	15th March 1853	
" " G. R. Lord, M.D.	16th March 1853	30th Nov. 1853	
" " J. F. Sanderson, M.D.	1st Dec. 1853 .	15th Sept. 1854	
" " J. Ewart (now Sir J)	16th Sept. 1854	8th March 1857	
" " H. W. Spry	9th March 1857	5th March 1860	
" " T. Murray, M.D.	15th March 1859	15th June 1859	Vice Dr. Spry on leave.
" " " "	6th March 1860	4th April 1879 .	
" " J. Wright	12th Feb. 1862 .	10th April 1862	Vice Dr. Murray.
" " D. Simpson, M.D.	11th April 1862 .	10th Feb. 1863 .	"
Dr. C. Valentine	Jan. 1864 .	March 1864 .	
Surgn. (now Surgn.-Colonel) J. H. Newman, M.D. .	23rd Aug. 1871	17th March 1873 *	
" " " "	29th April 1876	3rd Nov. 1876 *	
Surgn. (now Surgn.-Major-Genl.) L. D. Spencer, M.D. .	5th April 1879	18th April 1879	
Surgn. (now Surgn. Colonel) J. H. Newman, M.D. .	19th April 1879	27th March 1884	
" " " "	22nd Nov. 1884	6th May 1889	On furlough from 24th June 1886 to 18th December 1887.
" " " "	21st Feb. 1891 .	31st July 1892 .	
Surgeon J. Crofts, M.D.	4th June 1882 .	20th June 1882 .	Vice Dr. New- man, on privi- lege leave.
" "	26th June 1882 .	8th July 1882 .	
" "	28th March 1884	21st Nov. 1884 .	
" "	24th June 1886	19th Dec. 1887 .	Vice Dr. New- man, on fur- lough.
Surgeon-Major D. Ffrench-Mullen, M.D.	7th May 1889 .	20th Feb. 1891 .	
" " " "	24th March 1893	...	
Surgeon W. H. Neilson	4th June 1889 .	28th June 1889	Vice Dr. Mullen, on leave.
Surgeon-Captain J. Chator-White	26th July 1893	28th Oct. 1893 .	"
Surgeon-Major P. D. Pank	1st Aug. 1892 .	23rd March 1893	Substantive pro tem.
" "	4th April 1895	...	Vice Dr. Mullen, on furlough.

* Dr. Murray resumed charge.

LIST OF COMMISSIONERS OF AJMERE-MERWARA.

The following information was kindly supplied from the Office of the Commissioner, Ajmere :—

List of Commissioners of Ajmere-Merwara.

Prior to 1853 the Officers in charge of Ajmere and Merwara were styled Superintendents, and corresponded, first with the Resident at Delhi, subsequently with the Resident in Malwa and Rajputana, and after 1832 with the Commissioner. From 1858 the united districts remained a Deputy Commissionership under the Agent to the Governor General and Commissioner, who, in his latter capacity was subordinate to the Government of the North-Western Provinces till 1871, when the Province was formed into a Chief Commissionership under the Foreign Department of the Government of India, and a Commissionership of its own, the Chief Commissioner being the Agent to the Governor General for Rajputana.

2. The Superintendents between 1818 and 1853 were Messrs. F. Wilder, Henry Middleton, The Hon'ble R. Cavendish, Major Spiers, Mr. Edmonstone, Lieut. Macnaghten and Colonel Dixon. The exact dates of their holding the office of Superintendent cannot be traced, but the approximate period for which each of them held that office is given below :—

- (1) Mr. F. Wilder, 26th July 1818 to November 1824.
- (2) Mr. H. Middleton, December 1824 to September 1827.
- (3) The Hon'ble R. Cavendish, October 1827 to October 1831.
- (4) Major Spiers, November 1831 to November 1833.
- (5) Mr. Edmonstone, December 1833 to December 1836.
- (6) Lieut. Macnaghten, January 1837 to January 1842.
- (7) Major (afterwards Colonel) Dixon, February 1842 to June 1857.

N.B.—Between 1853 and 1857 Colonel Dixon was styled Commissioner of Ajmere-Merwara, and he corresponded direct with the Government of the North-Western Provinces under which Administration Ajmere was placed in 1832 and Merwara in 1846.

3. The Commissioners, with the office of Agent to the Governor General for Rajputana attached to them, so far as the office has been able to ascertain, were Major Spiers, Colonel Alves, Colonel Sutherland, Major Thoresby, Colonel Low, Colonel Sir Henry Lawrence, Major-General Sir James Outram, K.C.B. ; Major (afterwards Colonel) W. F. Eden, Colonel E. K. Elliot, Colonel R. H. Keatinge, and Colonel J. C. Brooks. The approximate period for which each of these officers held the office of Agent to the Governor General for Rajputana and Commissioner of Ajmere-Merwara is given below :—

- (1) Major Spiers, 1833 to 1834.
- (2) Colonel N. Alves, 1835 to 1838.
- (3) Colonel J. Sutherland, 1839 to 21st June 1848.
- (4) Major C. Thoresby, March 1844 to March 1846 (officiating during the time Col. Sutherland was on leave).
- (5) Colonel J. Low, C.B., July 1848 to 24th December 1852.
- (6) Colonel Sir H. M. Lawrence, 5th March 1853 to 16th March 1857.

NOTE.—Lieutenant-Colonel (afterwards Brigadier-General) G. St P. Lawrence officiated from 25th December 1852 to 4th March 1853, pending arrival of Colonel Sir H. M. Lawrence.

- (7) Major-General Sir James Outram, K.C.B., from 17th March 1857 to 10th September 1857.

NOTE.—Brigadier-General G. St. P. Lawrence officiated from 17th March 1857 to 10th September 1857. Major-General Sir James Outram was appointed to the post of Commissioner, and Agent Governor General for Rajputana, but he did not actually join the appointment.

- (8) Brigadier-General G. St. P. Lawrence, from 11th September 1857 to 30th April 1864.

NOTE.—Brigadier-General Lawrence was on 18 months' leave (15 months' sick leave and 3 months' privilege leave) from about 25th April 1859 to 25th October 1860. During this period Major (afterwards Colonel) W. F. Eden officiated.

- (9) Colonel E. K. Elliot, 1st May 1864 to 2nd April 1865.

- (10) Colonel W. F. Eden, 3rd April 1865 to October 1867.

- (11) Lieutenant-Colonel (afterwards Colonel) R. H. Keatinge, C.S.I., V.C., from November 1867 to 31st March 1871.

- (12) Colonel J. C. Brooke, officiating, 18th June 1870 to 31st March 1871.

4. The following is the list of Chief Commissioners of Ajmere-Merwara, and Agent to the Governor General for Rajputana, from 1st April 1871 to date :—

- (1) Colonel R. H. Keatinge, V. C., C. S. I., 1st April 1871.

- (2) Colonel J. C. Brooke, 1st April 1871 to 20th June 1873.

- (3) Colonel Sir Lewis Pelly, K.C.S.I., 21st June 1873 to 11th November 1874.

Colonel W. H. Beynon officiated about 3 months.

- (4) Mr. (afterwards Sir.) A. C. Lyall, from 12th November 1874 to 11th December 1878.

Major C. K. M. Walter officiated, November 1876 to April 1877.

- (5) Lieutenant-Colonel (afterwards Colonel) Sir E. R. C. Bradford, K.C.S.I., 12th December 1878 to 26th March 1887. Lieutenant Colonel C. K. M. Walter officiated during Colonel Bradford's furlough from 17th March 1881 to 28th November 1882.

- (6) Colonel C. K. M. Walter, 27th March 1887 to 19th March 1890.

- (7) Colonel G. H. Trevor, C.S.I., 20th March 1890 to 19th March 1895. (Colonel P. W. Powlett, C.S.I., officiated during Colonel Trevor's privilege leave from 28th August 1891 to 1st December 1891.)

- (8) Mr. R. J. Crosthwaite, C. S. I., from 20th March 1895 to date. (Lieutenant Colonel H. B. Abbott officiated from 20th March 1895 to 27th October 1895, during Mr Crosthwaite's absence on furlough.)

5. The list of Commissioners of Ajmere-Merwara, from 1st April 1871 to date, is given below :—

(1) Mr. L. S. Saunders, 15th May 1871 to 15th February 1885.

(a) Captain H. M. Repton, officiating, 16th July 1872 to 15th October 1872.

 " " 22nd July 1875 to 5th August 1875.

(b) Mr. James White, officiating, 8th to 27th March 1877.

 " " 3rd May to 4th August 1878.

(c) Major J. H. Lassalle, officiating, 19th May 1881 to 26th June 1881.

(d) Mr. J. R. Fitzgerald, 1st August 1882 to 29th October 1882.

(2) Colonel W. Tweedie, 16th February to 25th June 1885.

 Mr. R. M. Dane, officiating, 16th February to 3rd March 1885.

(3) Mr. T. J. C. Plowden, 26th June 1885 to 13th November 1885.

(4) Lieutenant-Colonel (afterwards Colonel) G. H. Trevor, from 14th November 1885 to 19th March 1890.

 Colonel K. J. L. Mackenzie officiated, during Colonel Trevor's privilege leave, from 20th August 1888 to 20th November 1888.

(5) Colonel J. Biddulph, 20th March 1890 to 6th January 1893.

(a) Captain A. F. De Laessoe officiated, pending arrival of Colonel Biddulph, from 20th March to 16th April 1890.

(b) Captain A. F. De Laessoe, and Major W. H. C. Wyllie, C.I.E., officiated from 4th July 1891 to 16th July 1891, and 17th July to 1st December 1891, respectively, during Colonel Biddulph's deputation as officiating Agent to the Governor General at Quetta.

(c) Mr. A. H. T. Martindale officiated from 13th April 1892 to 29th May 1894.

(6) Colonel E. S. Reynolds, 7th January 1893 to 22nd February 1894.

(7) Colonel F. A. Wilson, 23rd February 1894 to 29th May 1894.

NOTE.—Colonels Reynolds and Wilson did not actually join the appointment.

(8) Mr. A. H. T. Martindale, 20th May 1894 to date.

 Lieutenant-Colonel A. P. Thornton, officiating, from 21st March 1895 to 27th October 1895.

 Mr. H. V. Cobb, officiating from 2nd March 1896 to 8th August 1896.

 Lieutenant-Colonel A. P. Thornton, officiating, from 9th August 1896 to date.

1876.

1876.

Station.	Month.	PRESSURE.		TEMPERATURE.						WIND.	
		8 A.M. mean.	Mean daily.	Mean maximum.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	Mean humidity daily %	Total rainfall in inches.	Prevailing direction.
Jeyore.	January	Not available.	Not available.	79'4	61'9	70'4	66'9	47	... : :	0'03	NE & calm & SW
	February	Not available.	Not available.	80'0	61'9	78'7	71'0	44	... : :	0'15	SW,NW & NE
	March	Not available.	Not available.	79'3	61'9	85'3	75'8	40	... : :	0'23	NW
	April	Not available.	Not available.	79'1	61'9	98'5	85'8	40	... : :	0'58	SW
	May	Not available.	Not available.	79'5	61'9	105'7	95'4	40	... : :	0'67	NW
	June	Not available.	Not available.	79'6	61'9	102'6	94'3	44	... : :	21'46	SW
	July	Not available.	Not available.	79'8	61'9	88'6	85'0	44	... : :	1'70	SW
	August	Not available.	Not available.	79'2	61'9	86'2	82'3	70	... : :	4'24	SW
	September	Not available.	Not available.	79'3	61'9	84'7	81'0	70	... : :	0'16	NW
	October	Not available.	Not available.	79'1	61'9	89'2	77'9	53	... : :	0'50	NW
	November	Not available.	Not available.	79'0	61'9	84'0	70'6	50	... : :	0'10	NE & SW
	December	Not available.	Not available.	79'3	61'9	78'3	62'7	55	... : :	29'82	Calm
	Year	Not available.	Not available.	79'8	61'9	88'2	78'3	52	... : :	33'00	..
Sambhar.	January	Not available.	Not available.	77'1	48'2	65'6	75'5	62'7	46	... : :	0'50
	February	Not available.	Not available.	78'2	51'8	70'4	79'4	66'9	47	... : :	2'50
	March	Not available.	Not available.	79'1	51'8	78'7	85'3	71'0	44	... : :	1'25
	April	Not available.	Not available.	79'1	51'8	91'1	98'5	85'8	40	... : :	8'00
	May	Not available.	Not available.	79'5	51'8	96'5	105'7	95'4	40	... : :	6'75
	June	Not available.	Not available.	79'6	51'8	102'6	94'3	89'2	44	... : :	12'00
	July	Not available.	Not available.	79'8	51'8	82'8	88'6	85'0	44	... : :	1'50
	August	Not available.	Not available.	79'2	51'8	81'2	86'2	82'3	70	... : :	0'50
	September	Not available.	Not available.	79'3	51'8	72'9	81'3	84'7	70	... : :	33'00
	October	Not available.	Not available.	79'1	51'8	81'6	89'2	81'0	70	... : :	8'67
	November	Not available.	Not available.	79'1	51'8	75'0	84'0	77'9	53	... : :	2'68
	December	Not available.	Not available.	79'4	51'8	68'2	78'3	70'6	50	... : :	6'60
	Year	Not available.	Not available.	79'0	51'8	64'7	75'0	62'7	55	... : :	0'63
Ajmere.	January	28'370	77'1	48'2	65'6	75'5	62'7	46	... : :	0'28	NE & SW
	February	28'342	81'9	51'8	70'4	79'4	66'9	47	... : :	0'02	SW
	March	28'359	80'0	51'8	78'7	85'3	71'0	44	... : :	1'40	NW
	April	28'348	101'3	70'3	91'1	98'5	85'8	40	... : :	84	SW
	May	28'361	108'2	82'5	96'5	105'7	95'4	40	... : :	146	NW
	June	28'394	105'0	83'6	92'6	102'6	94'3	44	... : :	181	NE & SW
	July	28'399	90'9	91'5	78'5	82'8	88'6	85'0	... : :	70	Calm
	August	28'393	88'9	75'7	81'2	86'2	82'3	70	... : :	45	..
	September	28'333	89'1	72'9	81'3	84'7	81'0	70	... : :	31	..
	October	28'330	91'1	64'7	81'6	89'2	79'9	53	... : :	84	..
	November	28'396	86'4	54'7	75'0	84'0	70'6	50	... : :	140	..
	December	28'465	81'0	44'3	68'2	78'3	62'7	55	... : :	70	..
	Year	28'204	90'8	65'8	80'4	88'2	78'3	52	... : :	45	..
Mount Abu.	January	Not available.	Not available.	72'1	82'5	88'1	81'6	72'0	???	???	NE & calm & SW
	February	Not available.	Not available.	69'3	78'4	84'0	78'2	70'0	???	???	SW
	March	Not available.	Not available.	65'8	69'3	72'0	70'0	66'9	???	???	NW
	April	Not available.	Not available.	63'1	66'4	69'0	66'9	66'3	???	???	SW
	May	949	91'0	63'2	69'7	60'1	68'3	68'3	???	0'57	NW
	June	865	87'1	65'8	69'3	72'0	70'0	66'9	???	20'08	SW
	July	763	74'2	65'8	69'3	72'0	70'0	66'9	???	8'07	NW
	August	865	70'7	63'1	66'4	69'0	66'9	66'3	???	14'20	NE & SW
	September	901	73'3	63'2	69'7	60'1	68'3	68'3	???	..	Calm
	October	26'109	77'4	61'5	72'8	73'2	67'5	67'5	???	..	..
	November	120	74'3	56'6	69'0	69'8	65'5	65'5	???	..	..
	December	172	72'4	52'2	65'7	67'3	62'3	62'3	36	???	..
	Year	?	?	?	:	:	:	:	???	Not available.	Not available.

1876.

Deesa.	Station.	MONTH.	PRESSURE.	TEMPERATURE.				WIND.
				Mean daily.	8 A.M. mean.	Mean max- imum.	Mean mini- mum.	
January			29'527	80'3	50'5	67'0	79'5	65'4
February			'492	84'5	52'8	71'0	83'7	68'7
March .			'416	89'8	55'4	78'0	88'7	77'6
April .			'295	100'8	57'1	91'3	103'8	85'4
May .			'224	105'3	78'9	92'8	101'0	92'1
June .			'151	102'0	81'2	91'1	101'0	91'6
July .			'068	89'2	77'7	82'8	87'0	83'5
August			'193	86'3	75'1	80'6	84'9	80'7
September			306	86'6	73'2	81'1	84'1	79'9
October			'406	90'4	63'2	83'1	88'8	76'8
November			'499	87'0	57'0	78'8	84'6	72'0
December			'532	82'7	59'0	73'1	80'8	66'4
Year .			'347	90'4	66'3	80'9	88'9	78'4
Indore.			Not available.	Not available.	Mean 10 hrs.	Mean 16 hrs.	Mean humidity daily.	Prevailing direction.
January			Not available.	Not available.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	NE & W
February			Not available.	Not available.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	NE & W
March .			Not available.	Not available.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	W
April .			Not available.	Not available.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	W & NW
May .			Not available.	Not available.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	SW & S
June .			Not available.	Not available.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	SW
July .			Not available.	Not available.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	SW
August			Not available.	Not available.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	SW & S
September			Not available.	Not available.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	SW & W
October			Not available.	Not available.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	SW & NW
November			Not available.	Not available.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	?
December			Not available.	Not available.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	N & NE
Year .			Not available.	Not available.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	..
Neemuch.			Not available.	Not available.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	Not available.
January			Not available.	Not available.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	Not available.
February			Not available.	Not available.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	Not available.
March .			Not available.	Not available.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	Not available.
April .			Not available.	Not available.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	Not available.
May .			Not available.	Not available.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	Not available.
June .			Not available.	Not available.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	Not available.
July .			Not available.	Not available.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	Not available.
August			Not available.	Not available.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	Not available.
September			Not available.	Not available.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	Not available.
October			Not available.	Not available.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	Not available.
November			Not available.	Not available.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	Not available.
December			Not available.	Not available.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	Not available.
Year .			Not available.	Not available.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	Not available.
Delhi.			Not available.	Not available.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	Not available.
January			29'261	72'3	?	59'3	68'3	W & NW
February			'217	78'7	?	64'7	75'2	W & NW
March .			'135	84'9	?	74'4	80'9	NW & W
April .			28'984	99'0	65'9	87'6	95'0	NW
May .			'904	1'6'2	77'1	95'1	101'9	NW & NE
June .			'769	108'6	81'7	97'2	104'8	NW
July .			'733	94'1	?	85'8	89'3	SE
August			'873	94'2	?	86'0	90'9	NW & NE
September			'978	91'7	76'7	83'9	87'5	NE & SE
October			29'173	87'4	66'0	79'5	85'8	NW
November			'247	81'8	57'1	72'6	79'8	NW
December			'356	74'7	48'4	62'8	73'0	NW
Year .			29'053	89'2	?	79'1	86'0	..

108
105
92
120
117
143
92
95
97
67
77
66
98

1877.

1877.

Mount Abu.	Ajmere.	Sambhar.	Jeypore.	Station.	MONTH.	PRESSURE.		TEMPERATURE.				WIND.		
						Not available.	8 A.M. mean.	Mean maximum.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean humidity daily %.	Total rainfall in inches.	Prevailing direction.	Velocity in miles per day.
January	26.158	68.3	50.0	61.3	61.9	59.2	43	...:	...:	N W & S W
February . . . . .	.414	67.6	49.8	60.5	63.7	58.7	36	1.08	N W & S W	W & S W	2.71	...	...
March . . . . .	.091	79.1	61.5	71.3	74.4	70.3	24	...	...	W & W	1.86	...	...
April . . . . .	.045	85.0	66.2	76.4	80.0	75.6	28	0.03	...	N W & W	4.91	...	...
May	25.992	86.4	67.8	79.2	82.3	77.1	39	2.71	S W	S W	0.41	...	...
June . . . . .	.899	87.0	70.0	79.4	84.4	78.5	52	1.86	S W	S W	5.80	...	...
July . . . . .	.873	78.3	65.5	70.1	77.1	71.9	76	4.91	S W	S W	...	...	...
August . . . . .	.888	80.3	64.9	71.9	78.5	72.6	67	0.41	S W	S W	...	...	...
September . . . . .	.968	78.9	66.6	73.4	76.5	72.8	64	5.80	S W & Calm & N E	Calm & S W	...	...	...
October	26.069	78.4	63.7	73.3	75.1	71.1	41	1.68	S W & Calm & N E	S W & N E	...	...	...
November . . . . .	.114	77.9	61.6	71.8	74.1	69.8	34	0.27	Calm & S W	...	...	...	...
December . . . . .	.077	70.1	54.1	64.0	65.3	62.1	39	1.00	S W & N E	...	...	...	...
Year . . . . .	.024	78.1	61.8	71.1	74.4	70.0	35	19.75	...	...	...	...	...
					Not available.	Not available.				Not available.			Not available.	

1877.

Deesa.	Station.	Month.	PRESSURE.		TEMPERATURE.				Mean humidity daily %.	Total rainfall in inches.	Wind.	Velocity in miles per day.
			Mean daily.	Mean max. min. m.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.					
January	Not available.	29'565	79'6	51'0	70'0	77'6	65'3	41	0'65	N & N		
February	Not available.	'524	80'9	54'4	72'1	80'0	67'7	37	0'05	E & S W		
March	Not available.	'436	92'2	63'8	80'9	90'8	78'0	32	..	W, S W & Calm		
April	Not available.	'357	98'5	73'1	88'8	96'9	85'8	27	..	S W, W, N W & Calm		
May	Not available.	'276	103'0	78'9	92'3	101'0	91'0	42	0'45	S S S		
June	Not available.	'178	102'2	82'1	91'3	100'8	92'2	53	2'87	S S S		
July	Not available.	'180	95'7	79'4	86'9	94'7	87'6	61	2'82	S S S		
August	Not available.	'221	96'9	79'2	87'2	95'8	88'1	54	..	S S S		
September	Not available.	'319	93'8	76'5	86'5	92'1	85'2	56	2'89	S & Calm		
October	Not available.	'450	92'4	68'4	85'8	89'6	80'4	33	1'87	Calm		
November	Not available.	'520	91'6	64'3	84'0	88'8	78 0	31	..	Calm		
December	Not available.	'523	8'4	56'7	74'7	79'7	69'6	39	0'09	Calm		
Year	Not available.	'379	92'5	69'0	83'4	90'7	80'8	42	11'69	..		
January	Not available.	28'080	?	Not available.	Not available.	Not available.	Not available.	Not available.	1'65	N W, W S W	?	
February	Not available.	27'037	?	Not available.	Not available.	Not available.	Not available.	Not available.	0'79	W	W	
March	Not available.	'017	?	Not available.	Not available.	Not available.	Not available.	Not available.	..	W	W	
April	Not available.	'849	?	Not available.	Not available.	Not available.	Not available.	Not available.	6'02	W	W	
May	Not available.	'870	?	Not available.	Not available.	Not available.	Not available.	Not available.	6'83	W	W	
June	Not available.	'894	?	Not available.	Not available.	Not available.	Not available.	Not available.	5'04	W	W	
July	Not available.	'984	?	Not available.	Not available.	Not available.	Not available.	Not available.	0'93	W	W	
August	Not available.	'098	?	Not available.	Not available.	Not available.	Not available.	Not available.	3'10	Calm, E & E	N E	
September	Not available.	'176	?	Not available.	Not available.	Not available.	Not available.	Not available.	..	E & Calm	E & Calm	
October	Not available.	'161	?	Not available.	Not available.	Not available.	Not available.	Not available.	0'75	Calm & E	Calm & E	
November	Not available.	25'11	?	Not available.	Not available.	Not available.	Not available.	Not available.	..	..	..
January	Not available.	28'256	83'9	64'6	78'9	88'1	74'3	34	?	?	?	
February	Not available.	28'256	83'9	64'6	78'9	88'1	74'3	34	..	N W	N W	
March	Not available.	'199	95'2	71'0	85'4	93'1	83'1	?	..	W & N E	W & S W	
April	Not available.	'111	98'5	75'9	88'7	97'2	87'2	39	0'59	W	W	
May	Not available.	'010	?	79'5	88'4	98'5	?	44	2'25	S W & W	S W & W	
June	Not available.	'016	?	74'4	81'8	88'7	?	48	2'76	W	W	
July	Not available.	'040	?	73'7	83'5	90'4	?	42	..	W	W	
August	Not available.	'149	?	73'1	84'9	90'2	?	44	2'70	W	W	
September	Not available.	'292	88'5	65'2	81'3	86'2	76'9	37	8'24	W & N E	W & N E	
October	Not available.	'363	87'4	59'9	78'9	84'8	73'7	33	..	N E, E & S E	N E, E & S E	
November	Not available.	'353	78'2	53'9	67'5	76'2	66'1	37	1'90	E, S E & N E	E, S E & N E	
December	Not available.	?	?	?	?	?	?	?	18'44?	..	..
Year	Not available.	?	?	?	?	?	?	?	..	Not available.	Not available.	
January	Not available.	29'376	67'9	48'4	58'7	65'9	58'2	68	2'30	N W	N W	57
February	Not available.	'300	70'0	48'7	59'4	67'9	59'4	58	2'10	N W	N W	90
March	Not available.	'175	84'0	60'7	74'4	81'3	72'4	53	0'20	N W	N W	86
April	Not available.	'099	93'0	68'3	83'8	89'1	80'7	47	0'20	N E & N W	N E & N W	87
May	Not available.	28'950	100'8	77'7	92'2	98'4	89'3	42	0'30	N W	N W	94
June	Not available.	'821	105'5	83'7	95'7	102'9	94'6	42	3'70	N W	N W	113
July	Not available.	'775	102'5	83'9	92'9	99'2	93'2	51	1'30	N W	N W	160
August	Not available.	'827	105'2	84'7	95'3	102'6	95'0	46	0'10	N W	N W	133
September	Not available.	'982	102'7	80'8	93'0	100'0	91'8	40	..	N W	N W	115
October	Not available.	29'185	89'7	69'6	81'0	87'8	79'7	49	5'30	N W & W	N W & W	61
November	Not available.	'268	86'4	62'4	76'6	83'0	74'4	48	..	N W	N W	63
December	Not available.	'311	69'1	50'7	60'5	67'4	59'9	67	2'40	N W	N W	78
Year	Not available.	'089	89'7	68'3	80'3	87'1	79'0	51	17'90	..	..	95

1878.

Station.	Month.	PRESSURE.			TEMPERATURE.			WIND.	
		S. A. M. mean.		Mean daily.	Mean 10 hrs.		Mean daily.		
		Mean daily.	Mean max. min.		Mean	Mean min.			
Agra.	January	29.509	69.0	46.3	58.3	68.3	57.7	W & E	
	February	29.466	78.5	55.3	67.6	77.3	66.9	W W	
	March	29.370	92.6	62.8	81.2	91.6	77.7	W W	
	April	29.259	98.7	73.7	88.5	96.9	86.2	W W	
	May	29.160	99.5	77.4	89.7	97.1	88.5	W W	
	June	28.993	109.2	86.4	100.4	106.8	97.8	W E	
	July	29.983	99.2	83.8	91.9	96.4	91.5	E	
	August	29.047	93.2	81.2	87.7	90.8	87.2	EE	
	September	29.118	92.1	78.8	86.7	91.0	85.5	EE	
	October	29.257	97.4	71.6	87.7	96.7	84.5	EE	
	November	29.404	85.0	55.2	72.3	84.5	70.1	EE	
	December	29.467	75.4	46.9	63.8	74.9	61.2	EE	
	Year	29.253	90.8	68.3	81.3	89.4	79.6	EE	
Pachchhadra.	January	Not available.	W & E						
	February	Not available.	W W						
	March	Not available.	W W						
	April	Not available.	W W						
	May	Not available.	W W						
	June	Not available.	W W						
	July	Not available.	W W						
	August	Not available.	W W						
	September	Not available.	W W						
	October	Not available.	W W						
	November	Not available.	W W						
	December	Not available.	W W						
	Year	Not available.	W W						
Sirsia.	January	29.409	67.4	40.6	57.9	65.2	54.0	N W & N	
	February	29.361	74.3	50.4	65.5	71.8	62.4	N Calm	
	March	29.266	89.8	57.8	79.8	87.7	73.8	N, N W & Calm	
	April	29.135	94.0	67.5	86.3	91.1	80.8	N	
	May	29.016	97.7	72.7	89.2	94.4	85.2	SE	
	June	28.855	107.7	81.9	98.3	102.6	94.8	W	
	July	28.841	101.5	82.0	93.7	96.9	91.8	E & S E	
	August	29.908	94.3	79.8	88.8	90.2	87.1	S E & E	
	September	29.971	99.5	77.3	93.4	96.8	88.4	W & E	
	October	29.136	97.5	63.6	91.1	95.8	80.6	Calm & N W	
	November	29.291	84.0	45.3	74.9	81.9	64.7	N W & Calm	
	December	29.356	71.6	39.2	61.0	70.1	55.4	Calm & N W	
	Year	29.130	89.9	63.2	81.7	87.0	76.6	...	
Bikaneer.	January	?	?	?	?	?	60	N E	
	February	?	?	?	?	?	0.01	S W & N E	
	March	?	?	?	?	?	0.44	?	
	April	?	?	?	?	?	...	?	
	May	103.7	79.0	91.8	100.4	91.4	43	S W & N W	
	June	109.4	87.0	97.6	106.5	98.2	40	S W	
	July	103.8	85.4	93.4	100.0	94.6	58	S W	
	August	95.7	81.4	88.3	91.7	88.6	71	S W	
	Sept.-ember	102.0	82.3	93.8	100.2	92.2	55	S W	
	October	99.2	73.4	90.5	97.8	86.3	45	1.16	
	November	84.7	54.4	73.6	83.6	69.6	30	N & Calm	
	December	74.3	45.3	62.6	72.9	59.8	36	N & Calm	
	Year	?	?	?	?	?	17.88	?	

1878.

Station.	Month.	Pressure.				Temperature.				Wind.	
		8 A.M. mean.	Mean daily.	Mean maximum.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	Mean humidity daily %	Prevailing direction.	Velocity in miles per day.
Jeypore.	January	Not available.									
	February										
	March										
	April										
	May										
	June										
	July										
	August										
	September										
	October										
	November										
	December										
	Year										
Sambhar.	January	Not available.									
	February										
	March										
	April										
	May										
	June										
	July										
	August										
	September										
	October										
	November										
	December										
	Year										
Ajmere.	January	28'433	74'1	41'2	61'9	72'1	57'7	42	0'10	S E & N E	6
	February	413	81'8	51'8	71'0	78'6	66'8	42	0'04	S E & S W	
	March	323	95'9	58'9	84'4	93'3	77'4	41	...	N E	
	April	216	99'9	67'4	90'1	90'7	83'7	42	0'03	S W	
	May	105	101'9	70'2	90'8	97'9	86'1	46	2'71	S W	
	June	108	106'0	78'0	94'5	103'3	92'0	37	1'65	S W	
	July	27'956	99'0	78'0	88'5	95'0	88'5	48	10'06	S W	
	August	28'902	91'0	74'6	83'8	87'3	82'8	79	15'02	S W & S W	
	September	681	96'4	74'0	88'3	94'8	85'2	66	1'17	S W & S W	
	October	237	98'7	68'0	80'3	97'6	83'4	43	...	S W & S W	
	November	343	88'0	49'4	76'2	86'4	68'7	36	...	S W & S W	
	December	388	78'5	40'5	66'4	76'3	59'5	41	...	N E & S E	
	Year	210	92'6	62'7	82'1	89'9	77'7	47	30'68	...	
Mount Abu.	January	Untrust- worthy	66'4	46'3	58'8	62'0	56'4	30	0'09	N E & S W.	
	February	?	72'7	56'3	64'7	68'8	64'5	31	0'16	S W	
	March	?	83'0	64'7	75'7	80'3	73'9	24	...	W & S	
	April	50	84'3	67'1	77'2	81'8	75'7	33	0'19	S W & W	
	May	25'995	87'3	70'6	70'9	85'2	70'0	44	1'09	S W	
	June	881	86'7	70'6	70'5	83'7	78'7	62	3'28	S W	
	July	814	78'0	68'4	73'4	75'3	73'2	89	28'23	S W	
	August	845	73'6	66'7	69'9	71'6	70'2	94	33'72	S W	
	September	933	78'5	67'8	74'8	75'5	73'2	77	3'55	N E	
	October	26'066	82'2	67'2	77'7	79'7	74'7	40	...	W & S W	
	November	997	76'0	57'9	71'1	72'6	67'0	36	...	E	
	December	105	68'2	49'1	62'2	64'0	58'7	39	...	N E & E	
	Year	?	78'1	62'7	72'1	75'1	70'4	50	70'31	...	

1878.

Deesa.	Station.	MONTH.	PRESSURE.		TEMPERATURE.					WIND.	
			Mean daily.	8 A.M. mean.	Mean maximum.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	Mean humidity daily %	Total rainfall in inches.
January	29.569	77.5	48.0	67.9	76.0	62.8	28	...	...	N, N E & Calm	
February . . . . .	.547	86.3	58.9	77.3	84.5	72.6	30	...	...	W & Calm	
March . . . . .	.458	97.3	66.1	87.3	95.7	81.7	21	...	...	Calm, W & N	
April . . . . .	.358	100.0	73.3	90.6	98.2	86.7	27	0.04	...	S W & W	
May . . . . .	.250	103.2	79.8	91.2	102.2	91.5	48	1.36	...	S W & S	
June . . . . .	.147	102.8	82.3	92.2	101.1	92.6	51	0.21	...	S	
July . . . . .	.097	93.8	80.5	86.4	91.5	87.2	74	4.63	...	S & S W	
August . . . . .	.144	86.5	77.4	82.1	84.7	82.0	82	21.79	...	W & Calm	
September . . . . .	.221	93.4	78.0	87.5	91.2	85.7	69	3.26	...	N	
October . . . . .	.365	96.9	70.3	89.8	94.9	83.6	34	...	...	Calm & W	
November . . . . .	.447	91.3	56.3	83.8	88.5	73.8	33	...	...	N E	
December . . . . .	.511	82.3	48.8	73.5	79.9	65.6	32	...	...	N E	
Year . . . . .	.343	92.6	68.3	84.1	90.7	80.5	44	31.29	Not available.	Not available.	
Indore.											
January	28.180	...	Not available.	Not available.	Not available.	84.3	...	...	...	E & W	
February . . . . .	.182	...	Not available.	Not available.	Not available.	89.2	23	...	...	W & N W	
March . . . . .	.105	...	Not available.	Not available.	Not available.	89.8	33	...	9.01	W & N W	
April . . . . .	.013	99.1	69.5	91.1	95.6	84.3	...	...	...	W N W & S W	
May	27.923	102.2	76.2	91.9	99.2	89.2	33	...	...	W	
June . . . . .	.822	100.7	78.8	90.5	96.4	89.8	48	3.45	...	S W & W	
July . . . . .	.801	85.9	73.8	79.6	80.5	79.9	85	13.53	...	S W & W	
August . . . . .	.825	83.2	72.5	78.1	80.4	77.9	87	12.67	...	S W & W	
September . . . . .	.883	84.6	72.1	80.5	83.2	78.4	81	15.09	...	W & Calm	
October	?	90.1	66.0	83.7	87.2	78.1	58	0.57	...	E, N & W	
November	28.070	?	56.8	79.4	83.6	?	45	...	...	E & Calm	
December	?	?	47.8	70.2	76.0	?	42	...	45.32	E, Calm, & N	
Year	?	?	?	?	?	?	?	45.32	Not available.	Not available.	
Neemuch.											
January	28.383	74.4	45.3	61.9	72.3	59.9	31	0.24	E & N E		
February . . . . .	.366	83.7	55.6	71.8	81.4	69.4	30	...	W & E		
March . . . . .	.293	95.3	62.8	84.0	92.6	79.1	23	0.05	W & S W		
April . . . . .	.185	99.3	70.9	89.0	97.0	85.1	28	...	S W & W		
May . . . . .	.084	102.8	75.5	91.9	100.1	89.2	32	0.15	W & S W		
June	?	102.2	78.8	92.0	98.5	90.5	38	1.46	S W & W		
July	?	89.5	75.1	83.7	86.6	82.3	67	15.85	S W & W		
August . . . . .	.019	85.6	74.1	80.3	82.9	79.9	83	15.18	S W		
September . . . . .	.070	88.5	72.9	82.9	85.3	80.7	70	10.78	S W & W		
October . . . . .	.219	92.7	66.8	85.8	91.1	79.8	46	..	N W & W		
November . . . . .	.298	85.2	55.1	76.6	83.4	70.2	34	...	N E & N		
December . . . . .	.347	75.9	47.3	66.4	74.9	61.6	32	...	N E, S E & S W		
Year	?	89.7	65.0	80.5	87.2	77.4	43	43.71	...	Not available.	
Delhi.											
January	29.342	66.6	45.8	56.0	65.0	56.2	59	1.10	N W		70
February . . . . .	.292	74.2	55.0	64.7	72.5	64.6	61	1.20	N W		80
March . . . . .	.187	89.4	62.6	78.5	87.5	76.0	37	0.10	N W		88
April . . . . .	.066	95.2	71.8	86.9	91.8	83.5	41	1.50	N W		83
May	28.965	96.5	74.0	88.3	94.0	85.3	46	0.80	N E & N W		93
June . . . . .	.791	108.4	86.1	98.6	104.8	97.3	33	0.40	N W		103
July . . . . .	.789	98.4	83.0	91.0	95.4	90.7	63	13.60	S E		164
August . . . . .	.862	91.7	80.3	86.7	88.1	86.0	78	18.80	S E		124
September . . . . .	.021	93.9	79.5	87.8	91.6	86.7	67	0.60	N W		76
October	29.077	94.3	70.3	85.2	92.4	82.3	43	...	N W		55
November . . . . .	.227	83.0	54.2	71.3	79.9	68.6	38	...	N W, W & Calm		65
December . . . . .	.293	73.8	46.7	60.9	71.3	60.3	38	...	W		80
Year . . . . .	.068	88.8	67.5	79.7	86.2	78.2	50	38.10	...	Not available.	

1879.

Station.	Month.	PRESSURE.		TEMPERATURE.				WIND.	
		8 A. M. Mean.	Mean daily.	Mean maximum.	Mean minimum.	Mean 10 hrs.	Mean 16 rs.	Mean daily.	Prevailing direction.
Agra.	January	29°491	74°8	47°3	62°0	74°4	61°1	49	W
	February	°417	80°0	54°0	68°5	79°3	67°0	48	W
	March	°339	89°7	62°5	79°6	88°7	76°1	35	W
	April	°189	104°7	74°3	94°7	103°3	89°5	21	W
	May	°043	110°6	83°9	101°7	108°9	97°3	23	W
	June	28°976	103°1	84°4	94°9	99°4	93°8	50	W & W
	July	°982	91°8	80°1	86°1	90°3	86°0	76	E
	August	29°016	87°2	78°6	83°3	85°2	82°9	85	W
	September	°133	89°1	74°9	84°3	87°8	82°0	74	W
	October	°317	89°5	66°3	81°6	88°5	77°9	56	W
	November	°449	81°7	51°2	71°7	81°3	66°5	42	W
	December	°478	74°7	45°3	62°3	74°0	60°0	49	W
	Year	°236	89°7	66°9	80°9	88°4	78°3	51	W
Pachbhadra.	January	Not available.		Not available.				S W & W	
	February	Not available.		Untrustworthy.				E	
	March	Not available.		Not available.				W	
	April	Not available.		Not available.				W	
	May	Not available.		Not available.				W	
	June	Not available.		Not available.				W	
	July	Not available.		Not available.				W	
	August	Not available.		Not available.				W	
	September	Not available.		Not available.				W	
	October	Not available.		Not available.				W	
	November	Not available.		Not available.				W	
	December	Not available.		Not available.				W	
Sirsa.	January	29°378	74°5	39°3	62°5	71°9	56°9	43	Calm & N W
	February	°298	79°1	46°5	70°1	77°1	62°8	41	N & N W
	March	°218	85°3	55°7	77°3	82°4	70°5	41	N & N W
	April	°070	102°2	67°7	94°5	99°8	85°0	24	W
	May	28°928	109°2	74°7	101°0	106°4	92°0	27	W
	June	°840	104°1	81°5	94°3	99°7	92°8	44	W
	July	°809	103°0	82°8	94°0	100°0	92°9	53	S W & W
	August	869	95°7	79°5	89°6	93°2	87°6	66	E & S E
	September	29°013	95°1	74°0	88°5	92°6	84°6	58	W
	October	°197	94°2	62°1	86°6	91°9	78°2	39	W
	November	°340	81°5	44°8	72°9	79°6	63°2	35	W & N W
	December	°357	72°8	38°6	63°0	70°8	55°7	45	Calm & N W
	Year	°110	91°4	62°3	82°9	88°8	76°9	43	...
Bikaner.	January	Not available.		Untrustworthy.				Calm & S W	
	February	Not available.		Not available.				S W	
	March	Not available.		Not available.				S	
	April	Not available.		Not available.				S	
	May	Not available.		Not available.				S	
	June	Not available.		Not available.				S	
	July	Not available.		Not available.				S	
	August	Not available.		Not available.				S	
	September	Not available.		Not available.				S	
	October	Not available.		Not available.				S	
	November	Not available.		Not available.				S	
	December	Not available.		Not available.				S	
	Year	Not available.		Not available.				S	

1879.

Station.	Jeypore.	Sambhar.	Ajmere.	Mount Abu.	MONTH.		PRESSURE.		TEMPERATURE.				WIND.	
					S A. M. mean.	Mean daily.	Mean maximum.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean humidity daily %	Total rainfall in inches.	Prevailing direction.	Velocity in miles per day.
January	Not available.	Not available.	Not available.	Not available.	28·405	79·6	41·9	66·4	77·8	60·8	41	... 0·05	N E & S E	40
February	Not available.	Not available.	Not available.	Not available.	342	81·4	49·2	69·8	79·1	65·3	40	0·54 0·12	S E & N E	57
March	Not available.	Not available.	Not available.	Not available.	286	87·8	55·5	78·6	85·7	71·7	33	0·27	S W	87
April	Not available.	Not available.	Not available.	Not available.	189	101·1	69·1	92·9	99·3	85·1	23	0·02	S W	116
May	Not available.	Not available.	Not available.	Not available.	52	109·4	78·2	100·3	106·2	93·8	27	0·13	S W	112
June	Not available.	Not available.	Not available.	Not available.	27·991	100·1	78·1	90·5	96·6	89·1	51	6·56	S W	174
July	Not available.	Not available.	Not available.	Not available.	970	95·8	76·3	86·1	92·9	86·1	61	0·38	S W	188
August	Not available.	Not available.	Not available.	Not available.	983	86·4	72·4	80·1	83·5	79·4	83	16·71	W	98
September	Not available.	Not available.	Not available.	Not available.	28·127	89·5	70·3	82·6	87·7	79·9	70	2·03	W	100
October	Not available.	Not available.	Not available.	Not available.	291	92·1	60·5	84·8	89·8	76·3	53	0·10	N E & N W	49
November	Not available.	Not available.	Not available.	Not available.	395	83·6	43·2	75·5	81·3	63·4	36	...	N E	28
December	Not available.	Not available.	Not available.	Not available.	400	76·8	39·8	66·1	75·1	58·3	38	0·51	N E	30
Year .	Not available.	Not available.	Not available.	Not available.	203	90·3	61·2	81·1	87·9	75·8	46	27·60	...	90
January	Not available.	Not available.	Not available.	Not available.	26·129	69·8	52·2	63·6	66·0	61·0	35	...	E	?
February	Not available.	Not available.	Not available.	Not available.	069	68·8	53·4	62·8	66·5	61·1	39	2·91	S W	129
March	Not available.	Not available.	Not available.	Not available.	061	74·9	57·9	68·2	72·6	66·4	36	0·04	W & S W	172
April	Not available.	Not available.	Not available.	Not available.	023	85·6	68·6	79·3	83·2	77·1	23	...	S W	162
May	Not available.	Not available.	Not available.	Not available.	25·910	91·4	74·8	84·9	88·6	83·1	28	0·08	S W	179
June	Not available.	Not available.	Not available.	Not available.	836	81·5	66·7	73·7	78·9	74·1	75	6·40	S W & S	268
July	Not available.	Not available.	Not available.	Not available.	815	75·3	65·0	69·5	73·3	70·2	86	14·98	S W	319
August	Not available.	Not available.	Not available.	Not available.	805	72·0	64·9	67·5	68·8	68·5	96	41·04	S W	221
September	Not available.	Not available.	Not available.	Not available.	941	73·2	63·2	69·0	71·1	68·2	82	4·99	S W	178
October	Not available.	Not available.	Not available.	Not available.	26·079	77·9	63·3	74·3	75·7	70·6	43	1·06	E & W	103
November	Not available.	Not available.	Not available.	Not available.	122	71·2	53·4	66·3	67·7	62·3	31	...	N E, E & S E	81
December	Not available.	Not available.	Not available.	Not available.	887	68·5	51·0	62·3	65·0	59·8	38	0·02	E & N	101
Year .	Not available.	Not available.	Not available.	Not available.	25·990	75·8	61·2	70·1	73·1	68·5	51	71·52	...	?

1879.

Station.	Month.	Pressure.		Temperature.						Wind.		Velocity in miles per day.
		S. A. M. mean.	Mean daily.	Mean maximum.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	Mean humidity daily, %	Total rainfall in inches.	Prevailing direction.	
Deesa.	January	49°531	84°2	48°6	74°1	82°0	66°4	37	0°86	N N E & N W	W W & N W	414
	February	471	84°8	54°7	76°1	82°7	60°8	38	...:	W W & N W	W W & N W	396
	March	435	90°9	62°9	81°8	89°2	76°9	35	...:	W W	W W	282
	April	332	101°3	70°0	90°5	99°5	85°7	27	...:	S S W	S S W	202
	May	178	107°4	79°0	95°2	105°7	93°2	35	...:	S S W	S S W	159
	June	121	98°9	79°6	89°6	97°0	89°3	56	5°42	E E & S	E E & S	182
	July	126	92°1	77°2	85°2	90°7	84°7	69	0°42	W W	W W	219
	August	129	85°9	75°3	81°1	83°6	80°6	84	15°12	W W	W W	?
	September	288	89°3	72°6	82°8	87°4	81°0	73	1°59	S S W	S S W	?
	October	413	95°4	65°1	88°4	93°2	80°3	40	0°01	S S W	S S W	?
	November	522	87°0	50°6	80°3	84°9	68°8	25	...:	E E & S	E E & S	?
	December	521	82°5	49°7	74°1	80°2	66°1	35	...:	E E & N	E E & N	?
Indore.	Year	339	91°6	65°4	83°3	89°7	78°5	46	32°42	...:	...:	...
	January	28°156	?	48°8	72°3	79°2	?	38	0°61	E E & W	S E & S W	60
	February	106	84°2	53°8	73°9	82°3	60°0	38	0°61	W W	N E & S E	78
	March	082	91°3	58°9	81°9	88°5	75°1	28	...:	W W	W W	83
	April	27°982	100°5	67°2	92°2	98°6	83°9	22	...:	W W	W W	103
	May	849	102°8	77°0	94°5	99°8	80°9	32	2°29	W W	W W	121
	June	811	92°3	73°8	83°2	87°8	83°1	66	6°16	W W	W W	153
	July	814	85°7	73°3	79°5	82°9	79°5	73	3°45	W W	W W	144
	August	812	81°9	73°0	76°9	79°4	77°5	80	7°79	W W	W W	149
	September	919	83°3	72°4	77°5	80°2	77°9	77	14°67	W W	W W	142
	October	28°066	85°9	68°4	80°2	82°9	77°2	59	3°29	E E	E E	58
	November	156	79°2	55°9	73°9	76°5	67°6	27	...:	E E	E E	48
	December	152	77°0	51°4	70°3	74°7	64°2	26	...:	S S	S S	55
Neemuch.	Year	27°992	...	64°5	79°9	84°4	?	47	38°26	...:	...:	99
	January	28°371	78°5	48°1	67°4	77°1	63°3	33	0°08	S W & S E	N W & S W	?
	February	307	80°1	53°5	60°9	70°0	66°8	39	0°40	W W	W W	208
	March	265	88°3	59°6	78°5	86°7	74°0	32	...:	W W	W W	239
	April	171	100°1	69°2	91°3	98°6	84°7	26	...:	W W	W W	277
	May	027	106°4	77°7	96°2	103°9	92°1	27	...:	W W	W W	309
	June	27°972	95°8	76°0	86°8	93°2	85°9	55	3°25	W W	W W	228
	July	969	80°3	74°3	82°8	87°3	81°8	68	3°98	W W	W W	300
	August	972	83°4	72°7	77°5	80°9	78°1	85	11°07	S W & N W	S W & N W	251
	September	28°109	85°9	69°9	80°1	83°2	77°9	75	4°87	N W & S W	N W & S W	156
	October	259	88°4	64°3	82°4	86°7	76°4	48	0°47	S E & N E	S E & N E	114
	November	359	80°2	50°5	72°7	78°7	65°4	31	...:	S S	S S	160
	December	358	75°5	46°7	65°0	73°9	61°1	36	...:	...:	...:	?
	Year	178	87°7	63°5	79°2	85°8	75°6	46	24°12	...:	...:	?
Delhi.	January	29°310	74°2	44°6	61°0	72°2	59°4	46	0°21	W W	W W	67
	February	258	78°2	53°0	66°5	76°4	65°6	44	1°03	W & N W	W & N W	88
	March	160	86°4	62°9	76°1	84°1	74°7	41	0°05	W W	W W	102
	April	016	102°0	73°8	91°2	99°6	79°8	25	...:	W W	W W	109
	May	28 876	108°9	81°5	99°0	106°4	95°2	24	...:	W W	W W	107
	June	802	100°7	82°8	92°8	97°7	91°8	53	6°79	S E & N W	S E & N W	166
	July	784	91°3	79°9	85°0	90°2	85°6	?	15°28	S E & N E	S E & N E	110
	August	838	87°7	77°9	82°0	85°6	82°8	?	8°99	S E	S E	106
	September	966	90°9	75°0	84°5	88°9	83°0	68	2°29	W & N W	W & N W	112
	October	29°152	90°3	67°9	81°9	87°9	79°1	52	0°09	W W	W W	71
	November	275	81°2	52°4	70°2	78°6	66°8	44	...:	W W	W W	68
	December	306	72°8	45°9	59°5	70°7	59°4	50	1°22	W W	W W	65
	Year	061	88°7	66°5	79°2	86°5	77°6	?	35°95	...:	...:	86

1880.

Station.	Month.	PRESSURE.		TEMPERATURE.						WIND.	
		S. A. M. mean.		Mean daily.			Mean 10 hrs.			Mean humidity daily %	
		Mean max- imum.	Mean min- imum.	Mean	min- imum.	Mean	16 hrs.	Mean daily.	Total rainfall in inches.	Prevailing di- rection.	Velocity in miles per day.
Agra.	January	29°437	76°5	47°1	63°4	76°0	61°8	50	W	83	
	February	29°411	76°2	50°5	64°7	75°2	63°4	46	W	116	
	March	29°274	99°0	66°0	86°5	98°4	82°5	31	W	108	
	April	29°153	105°9	76°3	96°6	104°5	91°1	25	W	127	
	May	29°052	106°8	82°1	96°8	104°6	94°5	33	W	139	
	June	28°924	107°5	80°7	100°3	105°2	98°6	39	N W & W	145	
	July	29°979	92°0	79°5	86°4	89°3	85°8	77	E & W	116	
	August	29°052	95°7	78°4	89°0	94°1	87°1	65	S W	127	
	September	29°163	93°4	77°7	87°0	91°1	85°6	65	E	103	
	October	29°332	96°0	70°1	87°4	94°9	83°1	40	W & Calm	57	
	November	29°489	83°6	57°2	74°6	82°6	70°4	44	W & N W	53	
	December	29°528	73°5	48°3	62°7	72°8	60°9	58	W	51	
	Year	29°233	92°2	68°6	83°0	90°7	80°4	48	...	102	
Pachhadra.	January	83°5	45°5	67°1	81°7	64°5	48	0°06	N E	99	
	February	79°5	45°7	67°4	77°6	62°6	32	...	N W & N E	116	
	March	103°4	62°1	89°1	100°6	82°8	30	...	S E	117	
	April	107°2	70°2	94°8	103°9	88°7	37	...	S, S E & S W	158	
	May	108°4	77°8	93°5	104°7	93°1	53	...	S W	297	
	June	104°4	80°3	91°2	100°5	92°4	60	1°03	S W	374	
	July	96°5	78°0	87°2	93°7	87°3	66	1°93	S W	309	
	August	93°7	75°2	85°0	90°7	84°5	65	6°03	S W	281	
	September	99°0	74°7	88°5	95°8	86°9	52	1°26	Calm	166	
	October	99°0	60°3	88°0	95°2	84°2	35	0°14	Calm	81	
	November	80°7	53°1	79°4	85°6	71°4	35	...	Calm	53	
	December	83°5	48°0	71°3	79°4	65°8	43	0°08	Clam	32	
	Year	95°7	65°0	83°5	92°5	80°4	46	1°53	...	173	
Sirsia.	January	29°328	74°9	42°0	64°3	73°2	58°5	48	Calm & N W	38	
	February	29°295	71°8	45°2	62°0	69°0	58°5	53	N W	70	
	March	29°167	68°2	60°5	86°1	96°3	79°4	34	W & N W	58	
	April	29°027	105°2	70°0	97°1	103°6	87°6	27	W	89	
	May	28°912	109°2	80°8	100°0	107°4	95°0	30	0°08	W	113
	June	29°790	107°5	87°2	98°6	105°1	97°4	40	3°22	W	164
	July	29°838	97°3	80°2	90°7	95°0	88°8	63	0°97	W & E	129
	August	29°905	101°3	80°1	93°2	99°6	90°7	50	0°11	W	145
	September	29°026	100°4	74°8	93°0	97°8	87°6	46	0°75	W & E	116
	October	29°204	69°0	63°1	92°0	96°8	80°6	28	...	W	87
	November	29°354	84°4	49°6	77°3	82°7	67°0	38	...	Calm & W	79
	December	29°405	71°0	43°7	62°1	69°6	57°4	56	0°68	N	73
	Year	29°104	93°3	64°8	84°7	91°3	79°1	43	6°17	...	97
Bikaner.	January	29°291	77°9	50°6	66°3	76°4	64°3	32	0°03	Calm	53
	February	29°280	72°6	50°4	62°4	69°9	61°5	?	0°56	N E & N W	90
	March	29°065	98°2	71°0	88°6	97°2	84°6	25	...	S W	101
	April	28°062	104°0	79°0	95°5	102°4	91°5	23	...	S W	139
	May	28°829	108°6	85°4	98°5	106°6	97°0	31	0°35	S W	179
	June	29°706	105°8	86°4	95°2	105°1	96°1	44	1°71	S W	210
	July	29°439	98°7	82°0	89°9	96°6	90°4	57	3°82	S W	175
	August	29°818	96°0	79°5	88°5	93°7	87°8	57	2°61	S W	184
	September	29°919	98°6	79°4	90°9	97°3	89°0	45	0°58	S W	140
	October	29°107	96°6	74°3	88°6	95°3	85°6	29	0°05	S W	96
	November	29°250	84°2	60°1	75°2	82°7	72°2	26	0°07	Calm	67
	December	29°289	74°9	51°2	64°6	72°6	63°1	29	0°08	N E	70
	Year	29°021	93°0	70°8	83°7	91°3	81°9	?	9°86	...	125

1880.

Station.	Month.	Pressure.	Temperature.								Wind.	
			8 A.M. mean.		Mean daily.		Mean maximum.		Mean minimum.			
			Mean	maxi-	Mean	mini-	Mean	min.	Mean	Maxi-		
Jeypore.	January	•	Not available.									
	February	•	Not available.									
	March	•	Not available.									
	April	•	Not available.									
	May	•	Not available.									
	June	•	Not available.									
	July	•	Not available.									
	August	•	Not available.									
	September	•	Not available.									
	October	•	Not available.									
	November	•	Not available.									
	December	•	Not available.									
	Year	•	Not available.									
Sambhar.	January	•	Not recorded.									
	February	•	28°477	101°1	74°6	90°6	100°0	87°9	25	0°27	?	
	March	•	Not available.	N W & S W								
	April	•	Not available.	S S								
	May	•	372	104°5	77°9	94°0	102°2	91°2	39	0°25	S S	
	June	•	272	102°9	83°3	92°6	99°3	93°1	43	0°97	S S	
	July	•	272	91°5	76°7	84°2	87°4	84°1	71	8°19	S S	
	August	•	316	91°0	74°0	83°2	87°4	82°5	68	4°96	S S	
	September	•	416	94°2	73°2	85°5	90°8	83°7	58	0°64	W	
	October	•	597	92°8	66°3	84°7	90°7	79°6	42	0°75	W	
	November	•	716	82°5	53°3	75°6	80°9	67°9	?	0°34	W & Calm	
	December	•	762	74°8	46°1	68°2	73°3	60°5	46	0°20	Calm	
	Year	•	?	?	?	?	?	?	?	16°57	...	
Ajmer.	January	•	28°373	78°4	41°9	66°1	75°8	60°2	43	0°28	S	
	February	•	337	73°9	42°8	62°6	71°9	58°4	46	0°28	S W	
	March	•	244	96°7	58°1	85°6	94°4	77°4	38	...	W & S W	
	April	•	154	101°2	67°4	90°0	98°4	84°3	35	...	S W & W	
	May	•	669	103°5	75°6	90°8	98°9	89°6	43	0°18	S W & W	
	June	•	27°953	99°9	76°1	87°5	97°2	88°0	59	0°94	W & S W	
	July	•	960	88°8	73°2	80°9	86°7	81°0	77	10°21	W & S W	
	August	•	28°057	87°6	72°7	79°9	85°7	80°2	75	2°85	W	
	September	•	128	92°5	71°2	83°2	90°1	81°9	64	2°01	W & N E	
	October	•	302	92°7	63°4	83°8	89°9	78°1	49	0°47	W	
	November	•	421	83°5	50°2	74°1	80°5	66°9	48	0°28	N E & Calm	
	December	•	457	76°9	45°0	65°2	74°4	61°0	51	0°10	S E	
	Year	•	205	89°6	61°5	79°1	87°0	75°6	52	18°22	...	
Mount Abu.	January	•	?	71°9	54°3	65°6	68°7	63°1	32	...	E & N E	
	February	•	26°104	66°8	49°8	60°3	63°8	58°3	30	0°05	S W	
	March	•	076	85°6	68°1	79°2	83°6	76°9	20	...	N, E & W	
	April	•	008	88°4	70°6	80°1	86°6	79°5	22	...	S W	
	May	•	25°932	88°2	70°1	80°4	86°8	79°2	37	0°42	S W	
	June	•	810	81°9	66°8	73°1	80°6	74°4	69	4°03	S W	
	July	•	809	74°4	64°2	67°0	71°7	60°3	91	10°79	S W	
	August	•	888	71°9	62°7	66°4	69°8	67°3	88	20°12	S W	
	September	•	952	75°9	65°3	72°0	74°0	70°6	69	7°60	N, E & S W	
	October	•	26°098	79°4	65°0	75°4	77°2	72°2	42	5°20	N E & S E	
	November	•	155	71°3	55°8	66°5	68°6	63°6	43	0°30	S E & N E	
	December	•	162	67°9	53°1	63°0	65°5	60°5	46	0°74	N E	
	Year	•	?	77°0	62°2	70°8	74°7	69°6	49	49°25	...	

1880.

Station.	Month.	PRESSURE.		TEMPERATURE.						WIND.			
		S A.M. mean.		Mean daily.			Mean no hrs.			Mean 16 hrs.		Mean daily.	
		Mean maximum.	Mean daily.	Mean	mini-	Mean	hrs.	Mean	hrs.	Mean	hrs.	Mean humidity daily %	Total rainfall in inches.	Prevailing direction.	Velocity in miles per day.
Deesa.	January	29.508	85.1	50.0	74.5	83.6	67.6	40	...	N E & E	192		
	February	479	81.7	50.9	72.2	80.1	66.3	24	0.02	N E & N E	227		
	March	381	102.5	64.1	91.3	100.7	83.3	24	...	W, S W & N E	195		
	April	294	104.8	71.0	92.2	103.2	87.9	29	...	W & S W	223		
	May	208	105.3	77.2	90.7	104.3	91.3	40	...	S W	337		
	June	99.8	99.6	78.7	88.4	98.0	89.2	55	0.29	S W	488		
	July	119	90.3	75.9	83.1	88.6	83.1	75	9.65	S W	324		
	August	213	88.8	72.7	81.9	87.4	80.8	73	10.23	S W	269		
	September	278	90.4	71.1	83.0	88.9	80.8	70	9.20	S W	182		
	October	418	93.7	65.6	86.7	92.0	79.7	55	4.41	E & S E	152		
	November	528	?	56.1	81.3	85.3	?	41	...	W E & E	182		
	December	559	83.7	52.1	75.7	81.9	67.9	47	0.10	N E	181		
	Year	340	?	65.5	83.4	91.2	?	48	33.90	...		246	
Indore.	January	28.145	80.2	53.4	71.2	77.7	66.8	25	...	E & W	66		
	February	103	81.5	54.0	71.4	78.1	67.8	29	...	W & N E	92		
	March	046	96.8	64.3	88.9	94.9	80.6	23	...	N & N W	100		
	April	?	101.5	69.6	93.5	99.3	85.6	25	...	W & N	130		
	May	?	101.1	75.5	92.1	97.5	88.3	38	0.85	W	176		
	June	27.799	95.4	76.5	86.1	93.0	86.0	56	2.58	W	211		
	July	819	84.9	73.3	78.1	82.8	79.1	74	2.71	W	182		
	August	900	83.2	72.7	77.3	80.9	78.0	73	19.69	W	166		
	September	926	83.3	72.3	77.2	81.2	77.8	76	16.21	W, N W & N	131		
	October	?	88.0	67.7	83.1	85.6	77.9	50	3.18	N E	57		
	November	28.181	80.1	56.2	74.9	78.0	68.2	43	1.24	E & N E	52		
	December	210	78.3	51.2	71.4	75.7	64.8	42	...	N, E & S	49		
	Year	?	87.9	65.6	80.4	85.4	76.8	46	46.46	...		118	
Neemuch.	January	28.345	80.3	49.2	67.9	78.8	64.8	33	...	S W	138		
	February	305	76.9	48.8	66.4	75.4	62.9	32	...	S W	170		
	March	237	98.1	65.2	87.9	96.7	81.7	22	...	W & S W	185		
	April	137	102.8	72.9	94.4	101.0	87.9	20	...	W & S W	200		
	May	055	102.1	77.2	92.9	99.0	89.7	37	1.38	S W	336		
	June	27.947	97.9	77.7	87.6	96.0	87.8	52	4.99	S W	401		
	July	968	85.1	72.8	78.9	82.9	79.0	80	15.19	S W	300		
	August	28.054	84.8	70.3	78.7	83.3	77.6	77	8.19	S W	381		
	September	105	86.5	69.8	70.8	84.2	78.2	74	9.48	S W	211		
	October	276	89.7	65.2	83.9	88.2	77.5	49	0.20	N W	157		
	November	384	82.1	54.4	75.2	80.8	68.3	43	...	S	137		
	December	411	78.1	48.8	68.6	76.9	63.5	46	0.10	S W & S	161		
	Year	185	88.7	64.4	80.2	86.9	76.6	47	39.53	...		231	
Delhi.	January	29.272	73.0	48.5	60.3	71.9	60.8	55	0.07	W	70		
	February	234	73.3	50.0	63.1	71.8	61.7	53	0.20	S E & W	74		
	March	100	96.2	66.7	83.8	94.7	81.5	34	...	W	69		
	April	28.983	103.7	75.1	93.3	101.3	89.4	25	0.04	S E & W	81		
	May	885	104.7	79.0	95.0	101.7	91.9	38	0.25	S E	110		
	June	748	106.1	87.0	97.2	103.8	96.6	46	1.30	S W & S E	129		
	July	800	92.3	70.4	86.3	87.9	85.9	73	12.67	S E	91		
	August	859	96.0	78.9	87.8	94.9	87.5	60	2.95	S W & S E	110		
	September	987	92.5	76.0	85.8	90.0	84.3	44	7.84	S E	89		
	October	29.152	92.4	68.5	83.9	90.6	80.5	45	...	S W	54		
	November	304	81.2	55.4	70.6	78.7	68.3	47	0.41	S W & S E	58		
	December	347	71.2	48.9	60.1	69.3	60.1	59	1.32	S W & S E	72		
	Year	056	90.2	67.8	80.6	88.1	79.0	50	27.05	...	84		

1881.

Agra.	Station.	Month.	PRESSURE.		TEMPERATURE.				Mean humidity daily %	Total rainfall in inches.	WIND.	
			8 A.M. mean.		Mean daily.		Mean maximum.				Mean daily.	
			Mean	maxi-	Mean	mini-	Mean	maxi-	Mean	hrs.	Mean	direction.
January	29'535	75°1	46°6	63°0	74°4	60°9	48	..	W	79		
February	'444	84°0	57°3	72°4	82°6	70°7	43	0°09	W	95		
March	'363	85°7	61°6	75°2	84°0	73°7	49	0°06	W	124		
April	'189	101°1	75°0	92°2	100°9	88°1	31	..	W	133		
May	'080	107°6	81°8	97°9	106°2	94°7	34	0°13	W & N W	136		
June	28'067	103°1	85°2	95°5	100°5	94°2	50	1°71	W	171		
July	'965	92°3	80°0	86°5	80°5	86°2	78	17°32	E	148		
August	29'022	86°8	78°2	83°2	84°9	82°5	88	14°66	W & Calm	87		
September	'128	91°5	76°8	86°2	90°4	84°2	70	0°14	W	96		
October	'284	94°6	68°5	85°7	93°6	81°6	49	..	W	95		
November	'417	84°3	54°0	73°8	83°3	69°2	41	..	W	60		
December	'504	77°1	49°1	65°8	76°0	63°1	48	..	N W & W	68		
Year	'242	90°3	67°8	81°5	88°9	79°1	52	35°01	..	108		
Pachhadra.			Not available.		Untrustworthy.				Calm & E		59	
January	82°0	44°1	70°8	78°2	63°1	33	..	Calm & S W	& E	84		
February	89°3	53°4	78°3	84°6	71°4	36	0°12	Calm				
March	92°8	60°0	85°2	88°3	76°4	38	0°14	S W & N W &	Calm	99		
April	102°3	70°8	92°4	98°0	86°6	45	0°02	S W		153		
May	111°4	77°3	98°9	107°9	94°4	45	0°76	S W		200		
June	105°1	81°5	92°6	101°7	93°3	?	0°22	S W		308		
July	99°5	79°7	89°0	93°9	89°6	68	2°20	S W & S		254		
August	91°7	76°6	83°3	87°4	84°2	78	7°06	S W		211		
September	93°7	74°5	84°9	90°5	84°1	68	5°39	S W		154		
October	97°0	64°8	84°7	93°5	80°9	52	..	S W		148		
November	89°3	48°2	77°2	85°7	68°8	32	..	Calm		53		
December	83°8	44°8	68°5	80°1	64°3	42	..	Calm		9		
Year	94°8	64°6	75°5	90°8	79°7	?	15°91	..		145		
Sirsia.			Not available.		Untrustworthy.				N & NW		76	
January	29'422	74°2	41°7	63°8	72°6	58°0	45	0°06	Calm & N W		88	
February	'326	81°8	50°6	70°9	80°1	66°2	42	..	Calm & N W			
March	'245	82°2	57°0	72°6	80°3	69°6	53	2°16	N W & W		122	
April	'088	97°8	69°3	88°0	95°4	83°6	41	0°72	W & N W		113	
May	28'966	106°7	76°4	96°5	104°8	91°6	33	c°26	W & N W		148	
June	'828	107°3	86°6	98°7	104°4	97°0	39	0°28	W		172	
July	'837	97°1	79°5	90°9	93°5	88°3	66	11°76	E	?		
August	'896	92°1	78°8	87°6	88°9	85°5	77	7°58	E	?		
September	29'003	96°8	75°6	88°7	95°1	86°2	61	0°02	W & N		97	
October	'167	96°0	64°5	86°7	94°9	80°3	45	..	W		85	
November	'298	84°0	45°2	76°6	82°4	64°6	39	..	N & Calm		55	
December	'400	77°3	41°9	66°7	75°6	59°6	43	..	N		67	
Year	'123	91°0	63°9	82°3	89°0	77°5	49	22°84	..	?		
Bikancer.			Not available.		Imperfect Do.				Calm & N E		68	
January	29'319	74°9	49°4	65°1	73°2	62°2	24	Imperfect.	?	?		
February	28'975	98°7	76°6	89°4	96°4	87°7	34	..	?	?		
March	'860	108°6	84°8	97°9	106°6	96°7	29	0°54	S W		112	
April	'745	106°9	87°1	95°8	104°3	97°0	39	0°95	W & S W		161	
May	'721	100°2	84°0	91°7	95°9	92°1	53	0°73	S W		206	
June	'790	94°5	81°0	87°9	92°0	87°8	64	7°80	S W & N E		163	
July	'902	95°5	78°8	87°9	93°4	87°2	57	0°52	S W		154	
August	29'075	95°5	73°8	86°6	94°2	84°7	38	0°01	S W & W		150	
September	'198	84°8	57°9	74°5	83°6	71°4	22	..	Calm		144	
October	'206	77°3	51°9	65°3	75°5	64°6	21	0°02	E & N E		64	
November	'2	77°3	?	?	?	?	?	13°21	..	?	71	

1881.

Station.	Month.	Pressure.		Temperature.						Wind.	
		8 A.M. mean.		Mean daily.			Mean 10 hrs.			Mean humidity daily %	
		Mean max. mum.	Mean min. mm.	Mean 16 hrs.	Mean daily.	Total rainfall in inches.	Precipitation direction.	Velocity in miles per day.			
Jeypore.	January	28.640	76.5	47.2	67.3	74.3	61.9	41	...	N E & N W & N.	86
	February	'554	84.2	53.6	76.2	81.5	68.9	51	0.02	N W & W	73
	March	'475	85.9	59.0	76.4	83.6	72.5	51	0.35	E & N W	132
	April	'352	98.7	60.5	89.9	96.4	84.1	37	0.35	N W & W	145
	May	'245	107.2	77.7	97.5	103.2	92.5	30	1.28	N W	166
	June	'137	103.0	81.2	92.9	99.6	92.1	50	0.35	N W	201
	July	'114	90.6	76.8	83.5	86.9	83.7	80	12.24	E N & W	167
	August	'173	88.1	75.5	81.7	85.1	81.8	82	9.58	N W	132
	September	'278	91.7	73.2	83.8	89.2	82.5	66	0.75	N W & W	128
	October	'434	94.9	66.1	85.8	92.3	80.5	43	...	N W & W	101
	November	'526	85.3	50.3	79.1	82.7	67.8	37	...	N & W E	67
	December	'608	78.8	49.2	69.8	76.5	64.0	50	0.01	N E & N	87
	Year	'378	90.4	64.9	82.0	87.6	77.7	52	24.93	...	124
Sambhar.	January	28.787	75.5	43.8	65.3	73.9	59.7	39	...	E, S & W	?
	February	'710	83.5	52.8	73.6	82.2	68.2	35	...	W	?
	March	'650	84.5	59.9	75.8	82.3	72.2	47	1.56	W & S	?
	April	'527	97.0	73.4	89.6	95.1	85.2	44	0.20	W	260
	May	'409	105.7	80.6	97.5	102.9	93.2	33	0.13	N W & W	322
	June	'319	101.6	83.5	91.8	99.8	92.6	47	1.42	W	245
	July	'278	91.3	78.5	85.0	88.6	84.9	73	7.11	W	190
	August	'343	87.5	76.8	82.7	85.3	82.2	79	6.77	W	205
	September	'425	89.5	74.5	83.3	87.9	82.0	71	1.26	W & N W	146
	October	'606	92.5	67.0	84.7	91.3	79.8	41	...	W & N N W	87
	November	'713	83.7	49.9	72.6	82.3	66.8	33	...	W & N N W	107
	December	'793	77.3	46.4	65.3	75.9	61.9	48	0.45	W N W & N E	?
	Year	'547	89.1	65.6	80.6	87.3	77.4	49	18.90	...	?
Ajmere.	January	28.463	76.8	43.7	64.6	74.5	60.3	46	0.03	S E	33
	February	'386	83.1	52.6	74.6	79.8	67.9	41	0.03	W & S W	64
	March	'302	85.8	57.5	76.0	82.7	71.7	44	0.49	W & S E	86
	April	'190	94.9	72.7	85.6	92.6	83.8	40	0.70	W	158
	May	'081	104.8	79.0	94.8	101.7	91.9	31	0.18	W	211
	June	27.999	100.1	81.0	88.0	98.0	90.6	52	0.45	W	259
	July	'039	89.8	76.4	81.5	86.3	83.1	79	9.26	W	164
	August	'098	85.1	74.2	78.4	81.6	79.7	86	7.17	W	127
	September	28.101	88.7	72.7	80.4	85.9	80.7	72	2.45	W	126
	October	'268	90.7	65.4	82.6	88.7	78.1	49	...	W	80
	November	'361	83.3	47.5	75.2	80.1	65.4	38	...	Calm	21
	December	'436	76.9	47.0	67.5	74.6	62.0	48	0.45	N E & S E	28
	Year	'210	88.3	64.1	79.1	85.5	76.2	52	21.21	...	113
Mount Abu.	January	26.162	68.5	51.7	62.2	65.7	60.1	36	...	N N E & S W	96
	February	'141	...	57.8	66.6	70.9	?	34	0.07	S W	130
	March	'076	76.4	59.0	68.7	74.4	67.7	34	0.07	S W	160
	April	'037	83.7	65.9	74.8	80.8	74.8	34	0.11	S W, W & N E	210
	May	25.978	91.3	72.0	83.1	89.7	81.7	30	0.20	S W	252
	June	Imperfect.						...	...	S W	?
	July	Not recorded.						...	47.17	?	?
	August	Ditto.						...	37.46	?	?
	September	Ditto.						...	17.12	?	?
	October	Imperfect.						...	...	?	?
	November	?	73.9	56.9	69.2	71.4	65.4	37	...	N & S W	94
	December	?	71.2	54.4	65.6	68.1	62.8	40	0.26	N E	82
	Year	?	?	?	?	?	?	?	102.53	?	?

1881.

Station.	Month.	PRESSURE.		TEMPERATURE.						WIND.	
		S.A.M. mean.	Mean daily.	Mean maximum.	Mean minimum.	Mean no hrs.	Mean 16 hrs.	Mean daily.	Mean humidity daily %	Total rainfall in inches.	Prevailing direction.
Deesa.	January	29°561	83°9	50°8	75°0	82°2	67°4	39	...	N E & N	218
	February . . . . .	.509	89°4	56°1	79°6	87°6	72°8	34	...	N E & E	182
	March . . . . .	.442	93°0	63°0	84°7	91°4	78°0	42	...	W N E & N S & W	239
	April . . . . .	.344	100°3	70°3	90°1	98°1	85°3	42	0°06	W	250
	May . . . . .	.226	108°5	76°7	96°3	106°7	92°6	36	0°38	S W & W	303
	June . . . . .	.140	100°3	79°8	89°5	98°8	90°1	58	2°29	S W	425
	July . . . . .	.083	88°4	76°3	82°2	85°8	82°4	84	28°50	S W	359
	August . . . . .	.521	86°0	75°7	81°4	83°3	80°9	87	7°28	S W	281
	September . . . . .	.262	89°2	74°2	83°5	86°7	81°7	76	2°85	S W	238
	October . . . . .	.412	93°2	65°4	87°0	91°2	79°3	56	...	N & W & N E	166
	November . . . . .	.480	89°5	53°5	83°2	86°9	71°5	34	...	N E & E	187
	December . . . . .	.543	85°5	52°2	77°3	83°4	68°9	45	0°56	N E	207
	Year . . . . .	.346	92°3	66°2	84°2	90°2	79°3	53	41°92	...	255
Indore.	January	28°205	79°2	51°4	71°5	77°3	65°3	38	...	N & E	53
	February . . . . .	.161	85°1	55°3	76°7	82°6	70°2	42	0°18	W	61
	March . . . . .	.084	89°6	59°1	80°7	86°6	74°4	35	0°03	N	96
	April . . . . .	.001	98°9	60°9	90°6	96°2	84°4	29	...	W	119
	May	27°007	103°7	74°9	94°7	100°6	89°3	29	0°28	W	169
	June . . . . .	.814	93°6	74°9	84°1	90°5	84°3	62	3°92	W	203
	July . . . . .	.784	82°4	71°7	77°3	79°4	77°1	85	15°14	W	200
	August . . . . .	.834	82°3	71°3	76°6	80°0	76°8	86	5°48	W	149
	September . . . . .	.926	84°4	69°0	77°9	80°0	77°2	81	6°12	W	128
	October	28°056	87°7	62°1	82°7	85°1	74°9	54	0°07	N	51
	November . . . . .	.118	82°0	51°5	76°6	79°6	66°8	43	0°14	E	44
	December . . . . .	.176	80°0	49°0	72°8	78°1	64°5	45	0°43	E	48
	Year . . . . .	.006	87°4	63°4	80°2	84°7	75°4	52	31°79	...	110
Neemuch.	January	28°412	78°2	48°5	66°9	77°0	63°4	42	...	S W & S	159
	February . . . . .	.361	84°6	56°2	75°3	82°6	70°4	37	0°59	S W & N W	134
	March . . . . .	.277	88°6	58°5	78°3	87°3	73°6	37	0°18	S W	151
	April . . . . .	.173	99°2	70°8	89°8	97°5	85°0	30	...	S W & W	155
	May . . . . .	.072	106°1	76°8	96°1	103°2	91°5	28	0°40	W & S W	230
	June	27°979	98°4	77°3	87°8	95°0	87°9	56	3°72	S W	316
	July . . . . .	.939	84°4	73°5	79°1	81°6	79°0	86	15°87	S W	268
	August . . . . .	.996	83°8	72°7	78°5	82°2	78°3	84	10°61	S W	184
	September	28°102	86°8	70°9	80°8	84°2	78°9	74	2°82	S W	181
	October . . . . .	.250	90°4	65°3	84°2	88°7	77°9	49	...	W & N W	158
	November . . . . .	.328	83°3	53°4	76°0	81°5	68°4	35	...	S & S E	125
	December . . . . .	.395	79°2	50°2	68°6	77°9	64°7	37	0°97	S & S E	165
	Year . . . . .	.190	88°6	64°5	80°1	86°6	76°6	50	35°16	...	185
Delhi.	January	29°357	73°7	46°9	61°2	72°1	60°3	48	...	S W	72
	February . . . . .	.274	81°4	56°0	69°6	79°4	68°7	45	0°59	S E & S W	77
	March . . . . .	.193	81°0	59°8	71°8	79°2	70°4	58	2°01	S W & S E & N W	92
	April . . . . .	.014	99°1	74°8	89°2	96°6	87°0	34	0°30	S W & N W	101
	May	28°909	105°3	79°4	95°6	103°1	92°4	45	0°14	S E	101
	June . . . . .	.778	104°8	85°4	96°1	101°5	95°1	57	1°71	S E	126
	July . . . . .	.703	93°3	80°3	87°8	90°5	86°8	76	11°59	S E	80
	August . . . . .	.848	90°2	79°1	85°6	87°4	84°7	81	9°21	S E	104
	September . . . . .	.944	93°7	77°9	87°6	92°4	85°8	63	0°75	N W	84
	October	29°094	94°7	69°1	85°4	93°2	81°9	46	...	N W	66
	November . . . . .	.238	85°0	54°7	72°9	81°7	60°9	37	...	N W	46
	December . . . . .	.325	76°5	49°4	63°5	74°6	63°0	42	...	N W	64
	Year . . . . .	.065	89°9	67°7	80°5	87°6	78°8	53	26°30	...	84

1882.

Station.	Month.	PRESSURE.		TEMPERATURE.						Mean humidity daily %	Total rainfall in inches,	WIND.			
		8 A.M. mean.		Mean daily.		Mean maximum.		Mean minimum.				Mean daily.			
		Mean	maxi-	Mean	mini-	Mean	maxi-	Mean	mini-			Mean	Velocity in miles per day.		
Agra.	January	29°509	75°2	49°5	62°9	74°1	62°4	59	0°25	N W & W	75				
	February	415	78°0	51°0	66°2	77°2	64°5	44	0°22	W & N W	112				
	March	345	93°8	62°1	81°5	93°1	78°0	29	...	W & N N	121				
	April	180	101°8	71°8	91°2	100°6	86°8	24	0°27	W & N W	114				
	May	80	104°9	78°6	94°5	102°3	91°8	31	0°94	N W	148				
	June	28°951	100°5	82°7	91°5	97°5	91°6	54	2°06	E, S W, N W & N E.	123				
	July	955	89°5	78°5	84°3	86°0	84°0	84	18°06	E & N E	106				
	August	29°040	91°0	77°9	85°7	89°5	84°5	75	4°44	S E & W	109				
	September	144	93°7	76°4	87°4	92°5	85°1	65	2°37	W	129				
	October	258	95°6	67°5	86°0	95°1	81°6	42	...	W & N W	85				
	November	445	83°7	54°3	73°9	83°0	69°0	42	...	N W & Calm & W	52				
	December	474	79°5	49°5	68°2	78°7	64°5	47	...	N W & W	63				
	Year	233	90°6	66°7	81°1	89°1	78°7	50	28 61	...	103				
Pachhadra.	January	81°6	47°3	65°9	77°5	64°5	56	2°04	Calm	?					
	February	87°3	34°5	67°7	81°0	60°9	47	...	Calm, S W & E	?					
	March	98°5	46°0	82°3	92°9	72°3	41	...	E, W & S W	?					
	April	107°8	62°5	91°6	101°4	85°2	43	...	Calm, S & S W	?					
	May	110°0	76°9	92°8	104°4	93°5	53	2°18	S W	171					
	June	110°1	81°8	94°2	104°2	96°0	58	0°55	S W	235					
	July	102°3	79°4	87°4	92°1	90°9	70	5°89	S W	148					
	August	93°0	75°2	84°0	88°8	84°6	72	2°02	S W	167					
	September	96°7	73°4	87°8	93°6	85°1	64	1°36	S W & Calm	93					
	October	102°9	59°4	88°6	97°6	81°2	42	...	Calm & S W	?					
	November	88°2	46°6	77°4	86°0	67°4	41	...	N E & E	?					
	December	84°9	40°3	71°3	83°1	62°6	45	...	Calm & N E	25					
	Year	97°0	60°3	82°6	91°9	78°7	53	14°94	...	?					
Sirsia.	January	29°407	Imperfect. Not available. Not available.						?	2°53	Calm & N W	80			
	February	317							?	0°18	N W & N	96			
	March	254							?	...	N W & N	92			
	April	071	101°3	66°0	93°1	99°9	83°7	31	0°01	N W, S W & W	117				
	May	28°964	106°8	74°7	98°0	105°2	90°8	30	0°22	W & Calm	142				
	June	795	108°7	83°0	100°5	105°4	95°9	37	1°27	W & S W	144				
	July	828	95°9	79°	90°0	90°9	87°5	71	5°67	Calm & S E	84				
	August	905	98°6	79°5	91°0	97°0	89°1	60	0°46	Calm & S W	69				
	September	29°032	96°9	74°3	89°5	94°0	85°6	57	3°40	Calm & W	46				
	October	152	97°6	61°4	87°7	96°1	79°5	35	...	Calm	23				
	November	347	84°4	46°7	74°8	82°6	65°6	28	...	Calm	14				
	December	365	78°6	43°3	66°6	76°7	61°0	45	...	Calm	14				
	Year	120	?	?	?	?	?	?	13°74	...	77				
Bikaner.	January	29°157	77°0	52°7	67°5	75°0	64°9	?	1°14	?	?	?			
	February	138	90°2	64°8	81°5	89°0	77°5	31	0°64	E & N E	103				
	March	28°992	99°5	74°4	90°7	98°3	87°0	27	...	W & S	111				
	April	876	106°4	82°4	95°7	104°2	94°4	34	1°89	S W & W	131				
	June	718	108°3	87°0	97°1	107°0	97°7	41	0°01	S W	161				
	July	722	95°3	81°5	88°6	91°5	88°4	60	6°58	S W	186				
	August	827	94°1	79°9	86°5	92°8	87°0	59	2°54	S W	142				
	September	947	94°7	78°3	86°8	92°9	86°5	56	2°94	S W	158				
	October	29°060	96°2	74°2	86°5	95°6	85°4	35	...	S W & W	107				
	November	239	82°9	58°9	73°1	82°1	70°9	31	...	Calm, N & E	49				
	December	267	77°7	55°4	67°2	76°9	66°6	34	...	Calm, N & N	52				
	Year	?	?	?	?	?	?	?	15°74	W & S	?				

1882.

Station,	Month.	PRESSURE.		TEMPERATURE.				Mean humidity daily %	Total rainfall in inches.	WIND.	
		8 A.M. mean.	Mean daily.	Mean maximum.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.			Prevailing direction.	Velocity in miles per day.
Jeypore.	January	28°608	75°6	50°0	66°0	72°9	62°8	57	1°04	N	91
	February	.521	77°1	50°1	67°7	75°3	63°6	42	...	N E & N	123
	March	.475	92°0	62°7	83°1	89°7	77°4	31	...	N W & N	145
	April	.332	99°8	68°0	91°1	97°6	83°9	23	0°08	N & N W	135
	May	.245	104°5	74°9	92°9	102°0	89°7	34	0°45	N W	166
	June	.103	102°7	79°7	92°8	98°9	91°2	54	1°08	N W & W	162
	July	.099	88°1	75°4	81°9	83°5	81°8	86	12°27	N W & E	117
	August	.197	90°3	74°3	83°2	87°6	82°3	73	3°61	N W & W	123
	September	.293	93°5	72°6	86 3	90°2	83°1	66	4°87	N W	136
	October	.406	95°4	63°9	87°4	92°8	79°7	47	...	N W & N	104
	November	.559	83°9	52°4	76°8	81°4	68°2	47	...	N E & E	73
	December	.578	80°8	50°6	71°4	78°7	65°7	54	...	N & N W	81
	Year	.368	90°3	64°6	81°7	87°6	77°5	51	23°40	...	121
Sambhar.	January	28°797	73°9	49°7	63°2	72°6	61°8	55	1°06	W & N W	112
	February	.694	75°6	48°5	65°5	74°8	62°1	42	0°14	W	159
	March	.654	90°4	59°5	79°4	89°6	75°0	34	...	W & N W	168
	April	.508	98°4	69°1	90°2	96°8	83°8	29	0°10	W	196
	May	.423	103°0	78°2	92°7	101°3	90°6	39	0°98	W	259
	June	.278	102°8	81°6	93°2	101°1	92°2	50	0°74	W	293
	July	.258	88°3	76°0	83°6	85°1	82°2	70	12°73	W & E	206
	August	.366	88°5	74°3	82°3	86°7	81°4	71	7°26	W	191
	September	.467	91°7	73°5	85°3	89°9	82°6	62	4°92	W & N W	175
	October	.582	92°5	65°5	84°0	92°1	79°0	41	...	W & N W	127
	November	.743	82°0	51°1	72°8	80°8	66°6	36	...	N E, N W N & W	93
	December	.758	78°5	48°5	67°0	77°2	63°5	41	...	N W & W	84
	Year	.544	88°8	64°6	79°9	87°3	76°7	48	27°93	...	172
Ajmere.	January	28°436	74°3	48°7	64°3	71°3	61°5	61	1°05	Calm & W	41
	February	.350	75°2	48°8	65°3	73°2	62°0	50	0°31	W & N E	68
	March	.312	87°2	59°4	79°1	85°3	73°3	35	...	W	77
	April	.166	95°4	70°9	87°8	93°6	83°2	31	...	W & S W	134
	May	.076	101°1	78°3	90°5	99°1	89°7	46	0°57	W	173
	June	27°939	100°4	80°9	89°2	98°3	90°7	54	0°33	W	189
	July	.920	86°8	75°6	81°3	83°4	81°2	80	16°18	W	?
	August	28°025	86°2	74°1	79°6	84°3	80°2	78	5°82	W	158
	September	.122	88°9	71°3	83°0	86°8	80°1	69	3°20	W & N W	113
	October	.248	91°6	60°0	84°7	89°9	75°8	45	...	W	67
	November	.387	81°8	48°8	73°9	80°3	65°3	42	...	N E	38
	December	.411	80°2	47°8	70°6	78°1	64°0	49	...	N E, N W & Calm.	35
	Year	.199	87°4	63°7	79°1	85°3	75°6	53	27°46	...	?
Mount Abu.	January	69°6	54°9	63°7	66°8	62°3	39	1°14	W, S W & Calm.	91	
	February	?	?	?	?	?	?	?	?	?	?
	March	?	?	?	?	?	?	...	?	?	?
	April	85°9	67°7	78°2	83°9	76°8	27	0°03	W	194	
	May	88°5	69°7	80°4	86°9	79°1	34	0°97	S W & W	245	
	June	83°6	68°7	74°4	80°9	76°2	65	4°26	S W & W	263	
	July	73°4	67°5	69°0	71°2	70°5	86	38°12	W & S W	213	
	August	71°7	65°2	66°7	69°2	68°5	87	9°96	S W	300	
	September	76°4	66°9	72°2	72°8	71°7	74	4°20	S W & S	161	
	October	81°3	64°8	76°0	78°4	73°1	39	0°12	W & N	95	
	November	73°7	56°4	68°0	70°6	65°1	34	0°09	E & W	122	
	December	73°8	55°8	67°6	70°0	64°8	40	...	W & S W	85	
	Year	?	?	?	?	?	?	?	58°89	...	?

1882.

Station.	Month.	PRESSURE.		TEMPERATURE.						Mean humidity daily %	Total rainfall in inches.	WIND.	
		8 A.M. mean.	Mean daily.	Mean maximum.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	Mean daily.			Prevailing direction.	Velocity in miles per day.
Deesa.	January	29°567	83°4	53°1	74°2	81°7	68°3	?	0°19	N E, N & W	191 241 235 228 315 385 299 296 193 161 166 174	S W & W	SW SW SW & SW W & N W & S W S W & W SW SW SW & W S W & W N E & N N E
	February	488	84°7	54°1	75°9	83°2	69°4	39	...				
	March	442	96°0	63°4	85°6	94°4	79°7	38	...				
	April	309	102°3	67°7	91°6	100°6	85°0	33	...				
	May	231	105°1	76°2	91°0	103°6	90°7	44	...				
	June	994	100°8	80°2	90°0	99°3	99°5	59	1°21				
	July	666	88°7	76°4	82°7	85°8	82°6	81	12°63				
	August	192	88°5	74°6	82°0	86°8	81°6	73	4°54				
	September	285	94°3	74°2	86°4	91°7	84°3	64	1°86				
	October	381	98°4	65°4	90°4	96°3	81°9	38	...				
	November	500	90°0	57°0	83°2	87°5	73°5	36	...				
	December	535	88°5	54°7	79°3	86°1	71°6	40	...				
	Year	341	93°4	66°4	84°4	91°4	79°9	?	20°43				
Indore.	January	28°199	82°0	48°8	72°3	80°2	65°4	44	...	N, E & W	49 94 81 104 161 187 158 151 112 65 59 34	N, E & W	W, S W & N W.
	February	122	82°6	50°6	73°1	80°3	66°6	37	...				
	March	089	94°6	60°1	85°3	92°5	77°4	27	...				
	April	27°066	100°3	66°6	92°8	97°7	83°5	19	...				
	May	897	102°5	74°6	93°6	100°0	88°6	31	0°67				
	June	778	89°8	73°0	82°3	86°5	81°4	69	12°81				
	July	747	80°9	71°2	76°1	78°2	76°1	87	12°89				
	August	866	83°0	70°0	77°3	80°1	76°5	81	3°36				
	September	926	85°3	69°4	79°7	80°0	77°4	78	10°83				
	October	28 029	88°9	60°9	84°8	86°5	74°9	46	...				
	November	132	80°1	51°8	75°2	77°9	66°0	46	0°59				
	December	170	82°5	51°2	75°8	80°7	66°9	45	...				
	Year	27°993	87°7	62°4	80°7	85°1	75°1	51	41°15				
Neemuch.	January	28°399	79°8	50°2	67°2	78°2	65°0	46	0°04	S W & E	152 218 208 214 291 410 302 299 251 178 239 202	S W & E	S W & N W.
	February	309	80°0	50°3	68°4	78°7	65°2	39	0°14				
	March	284	92°6	61°5	82°9	91°2	77°1	32	...				
	April	152	100°0	69°2	91°4	98°5	84°6	21	...				
	May	072	103°5	75°3	93°3	100°3	89°4	28	1°06				
	June	27 932	95°2	75°5	86°1	92°1	85°4	61	4°52				
	July	920	83°2	72°9	78°5	80°2	78°1	86	21°16				
	August	28°038	84°2	71°4	78°1	82°1	77°8	81	5°58				
	September	115	87°3	70°2	81°2	84°8	78°8	74	8°76				
	October	225	90°7	63°8	84°8	89°1	77°3	44	0°16				
	November	352	81°7	53°3	73°9	80°2	67°3	39	...				
	December	370	82°9	51°1	70°6	81°4	67°0	46	0°39				
	Year	181	88°4	63°7	79°7	86°4	76°1	50	41°81				
Delhi.	January	29°335	71°9	50°3	60°3	70°2	61°1	60	1°04	N W	70 86 99 67 120 115 99 76 99 50 36 64	N W	N W & N W.
	February	238	74°8	52°3	63°5	73°2	63°6	48	0°80				
	March	164	92°2	63°4	81°3	89°2	77°8	31	...				
	April	004	101°1	71°5	91°6	98°7	86°3	29	...				
	May	28°916	104°4	77°3	93°0	98°8	90°9	38	0°29				
	June	763	103°9	83°1	94°6	100°7	93°5	48	2°49				
	July	780	91°7	79°1	85°7	88°6	85°4	78	10°36				
	August	856	94°1	79°6	87°2	92°4	86°0	68	4°63				
	September	964	95°5	77°0	87°8	93°2	86°3	61	5°28				
	October	29°083	95°6	67°9	84°1	93°9	81°8	40	...				
	November	274	84°1	55°2	72°2	81°9	60°7	39	...				
	December	294	78°7	51°0	64°7	76°4	64°9	42	...				
	Year	057	90°7	67°3	80°5	88°1	79°0	49	24°89				

1883.

Station.	Month.	Pressure.		Temperature.						Total rainfall in inches.	Prevailing direction.	Wind.
		S.A. M. mean.	Mean daily.	Mean maximum.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	Mean humidity daily.			
Agra.	January	29.475	72.8	49.3	63.5	71.8	61.1	58	1.97	W & E	64	
	February	.448	75.2	48.7	64.3	74.6	62.0	47	...	W & N W	70	
	March	.324	89.0	61.1	78.0	87.4	75.1	40	0.10	W	106	
	April	.170	104.6	74.1	93.4	103.4	89.4	26	0.06	W & N W	103	
	May	.036	107.1	80.8	96.7	105.7	94.0	27	0.50	W & N W &	146	
	June	28.946	105.4	84.1	96.7	103.7	94.8	42	1.15	S W	124	
	July	.968	93.1	79.7	86.8	91.0	86.4	73	12.71	W & N W	132	
	August	29.024	98.8	81.8	91.6	96.6	90.3	57	0.12	S W & E	126	
	September	.123	96.0	77.9	89.4	93.4	87.0	61	3.65	S W W & E	99	
	October	.352	95.0	68.4	85.7	93.6	81.7	35	...	N W W & E	92	
	November	.407	83.4	53.9	72.5	82.1	68.7	38	...	W & N W	85	
	December	.555	74.8	45.2	63.4	74.0	60.0	44	...	N W & W	79	
	Year	.236	91.3	67.1	81.8	89.8	79.2	46	20.26	W	102	
Pachhadra.	January	29.651	79.6	41.4	66.1	77.3	60.5	42	0.50	Calm. NE & E	?	
	February	.639	81.2	45.7	66.7	79.9	63.5	27	...	Calm & E	67	
	March	.508	91.4	57.9	82.5	89.8	74.7	38	0.30	Calm & S W	52	
	April	.400	105.8	71.7	96.3	104.1	88.8	27	...	Calm & S W	355	
	May	.278	106.9	75.8	92.3	105.3	91.4	45	2.01	SW	331	
	June	.204	105.7	81.8	94.2	104.1	93.8	50	0.20	SW	237	
	July	.145	94.7	78.7	88.3	93.2	86.7	63	1.46	SW	320	
	August	.207	100.8	77.0	87.5	98.0	88.0	54	0.03	SW	109	
	September	.313	95.5	75.3	86.0	91.3	85.4	64	4.46	S W	?	
	October	.502	97.5	65.4	88.2	94.6	81.5	40	0.05	N E & S W.	?	
	November	.573	86.9	48.8	74.4	83.8	67.9	33	0.04	NE	?	
	December	.712	79.3	41.2	64.2	76.7	60.3	34	...	N E . E.	?	
	Year	.428	93.8	63.4	82.2	91.5	78.6	43	9.05	...	?	
Sirsia.	January	29.362	70.6	42.6	60.7	68.9	56.6	59	1.98	Calm	27	
	February	.351	73.6	43.61	63.6	71.6	58.6	44	...	Ca'm	30	
	March	.215	85.5	55.3	76.9	82.5	70.4	48	1.60	Calm	39	
	April	.069	102.4	69.7	95.0	99.6	86.1	35	0.05	Calm	37	
	May	28.917	106.2	73.5	97.8	104.0	89.9	36	1.83	W & Calm	54	
	June	.816	109.0	83.5	100.3	104.7	96.3	36	1.28	W & Calm	75	
	July	.831	100.8	81.2	93.0	97.2	91.0	58	3.22	W & Ca'm	49	
	August	.884	104.0	82.1	96.2	102.2	93.1	45	...	W & Calm	51	
	September	29.010	96.9	74.9	90.2	93.8	85.9	60	7.15	Calm	23	
	October	.248	94.8	62.0	85.9	92.9	78.4	38	0.04	Calm	20	
	November	.300	80.8	47.5	70.5	78.2	64.2	43	0.21	Calm	21	
	December	.450	74.0	40.0	61.9	71.7	57.0	43	...	Calm	17	
	Year	.121	91.5	63.0	82.7	88.9	77.3	45	17.36	...	37	
Bikaner.	January	29.254	70.6	50.8	61.3	69.1	60.7	34	0.58	N E	74	
	February	.240	74.4	52.4	66.7	73.4	63.4	29	...	E	71	
	March	.118	85.9	63.6	77.3	84.7	74.8	35	0.04	S W E N W	110	
	April	28.977	101.8	77.8	93.1	101.1	89.8	33	...	& N E	121	
	May	.835	103.9	82.4	94.7	103.1	93.2	37	3.62	S W W & N W	182	
	June	.734	106.7	87.7	97.6	106.2	97.2	43	...	S W & W	194	
	July	.741	96.8	82.2	90.0	96.1	89.5	59	5.12	S W	162	
	August	.804	?	82.6	91.3	100.6	?	51	0.10	S W	170	
	September	.921	?	80.2	88.6	93.8	?	57	1.55	S W	106	
	October	29.148	?	72.9	86.4	93.1	?	37	0.03	S W & W.	76	
	November	.208	80.5	59.2	70.4	79.4	69.9	37	0.66	Calm & S W	56	
	December	.350	73.1	50.2	61.4	72.0	61.7	31	...	Calm S & W	43	
	Year	.028	?	70.2	81.6	89.4	?	40	11.70	Calm & N E	114	

1883.

Station.	Month.	Pressure.		Temperature.						Wind.		
		S. A. M. mean.		Mean maximum.			Mean minimum.					
		Mean daily.	Mean maximum.	Mean maximum.	Mean minimum.	Mean minimum.	Mean daily.	Mean minimum.	Mean maximum.		Velocity in miles per day.	
Jeypore.	January	28°559	73°3	50°0	64°8	70°8	61°7	62	1°22	S E N W & E	85	
	February	546	75°4	49°4	66°2	73°6	62°4	45	...	N N W & N E	122	
	March	446	87°8	66°2	78°7	85°1	74°0	43	0°21	N W N & E	179	
	April	330	102°9	72°1	94°4	100°5	87°5	24	...	N W & N	163	
	May	209	103°9	74°8	94°3	100°9	89°4	40	2°05	N W & W	214	
	June	120	101°8	78°5	93°5	97°2	90°2	57	3°15	N W & W	165	
	July	125	90°6	75°5	84°2	88°3	83°1	73	7°20	& S W	177	
	August	185	97°3	76°0	88°9	93°7	86°7	57	0°95	N W & W	151	
	September	279	93°3	74°4	85°9	89°8	83°9	67	7°73	N W & W	110	
	October	493	93°2	63°4	85°0	89°9	78°3	41	0°33	N W & W	82	
	November	524	82°9	50°6	74°5	79°5	66°8	41	...	N & N E	79	
	December	652	75°2	44°4	66°4	72°4	59°8	45	...	N W & N	88	
	Year	372	89°8	64°1	81°4	86°8	77°0	50	22°84	N W & N W	135	
Sambar.	January	28°737	72°1	46°2	61°5	70°6	59°2	54	0°38	S E N W N & S	120	
	February	727	74°4	46°0	64°1	73°7	60°2	48	...	N W N E & E	113	
	March	617	86°4	57°3	77°5	85°3	71°9	38	...	W & N W	156	
	April	499	101°7	71°1	93°4	99°8	86°4	28	...	W & N W	171	
	May	375	102°7	79°4	94°1	101°6	91°1	?	2°46	W	290	
	June	295	101°8	82°2	93°5	99°0	92°0	?	0°63	W	281	
	July	290	90°5	77°6	84°5	88°8	84°4	70	8°60	W	224	
	August	350	96°3	78°2	87°6	94°6	87°3	55	0°58	W	222	
	September	442	91°6	75°8	85°1	89°7	83°7	63	2°67	W	165	
	October	655	91°4	64°2	84°5	89°9	77°8	?	...	N W	107	
	November	703	80°9	50°3	71°0	79°7	65°6	?	...	W & N W	87	
	December	831	73°6	42°1	62°6	72°0	57°9	39	...	N W & W	66	
	Year	543	88°6	64°2	79°9	87°1	76°4	?	15°46	...	167	
Ajmere.	January	28°382	73°0	46°5	62°6	70°9	59°8	54	0°38	N E S & N W	42	
	February	374	75°3	45°6	65°2	73°5	60°5	40	...	S & N E	41	
	March	279	85°3	57°5	76°6	83°7	71°4	41	0°02	W, S & N E	90	
	April	168	99°1	71°5	90°6	97°9	85°3	29	...	W	118	
	May	558	100°6	78°9	90°0	99°5	89°8	43	2°19	W	232	
	June	27°80	98°2	80°9	89°0	96°3	89°6	53	1°09	W	205	
	July	961	87°8	75°9	82°1	86°1	81°9	76	9°24	W	151	
	August	28°028	94°1	77°4	84°0	92°2	85°8	63	0°45	W & N W	129	
	September	117	89°0	74°9	82°2	86°8	82°0	71	3°91	S E N W N }	69	
	October	334	90°2	62°9	83°1	87°9	76°6	46	...	E & W	?	
	November	377	81°0	47°0	74°0	78°2	64°5	44	...	N W & W	38	
	December	488	74°2	40°3	64°8	72°4	57°3	47	...	S Calm W }	49	
	Year	212	87°3	63°4	78°7	85°5	75°4	51	17°28	S & E. }	?	
Mount Abu.	January	67°1	51°3	60°9	63°4	59°2	42	0°47	S W W & W	122		
	February	69°5	52°3	62°5	65°7	60°9	31	...	S W W & N E	126		
	March	76°2	59°1	69°4	73°2	67°7	37	0°36	W & S W	165		
	April	88°5	70°7	81°7	85°7	79°6	31	...	W	191		
	May	87°8	69°3	80°7	85°8	78°6	37	4°96	S W & W	257		
	June	83°6	68°9	76°0	81°9	76°3	66	3°12	S W	228		
	July	73°9	66°3	69°7	71°4	70°4	84	25°53	S W	287		
	August	76°6	64°3	70°5	74°7	70°5	75	0°75	S W W	269		
	September	73°9	65°3	70°6	70°4	69°6	82	12°15	W & S W	132		
	October	77°5	63°3	74°5	73°4	70°4	52	2°15	N E E & Calm	82		
	November	71°4	54°6	67°1	66°2	63°0	40	0°04	NE	107		
	December	67°8	49°7	62°4	62°2	58°8	39	...	N E N & Calm	90		
	Year	76°2	61°3	70°5	72°8	68°8	51	49°53	...	171		

1883.

Deesa.	Station.	Month.	PRESSURE.		TEMPERATURE.				WIND.		Velocity in miles per day.	
			8 A. M. mean.		Mean 10 hrs.				Prevailing direction.			
			Mean max- imum.	Mean daily.	Mean mini- mum.	Mean daily.	Mean 16 hrs.	Mean daily.	Total rainfall in inches.			
January	.	.	29.514	82.9	53.0	73.3	80.5	68.0	40	0.14	N E & N	
February	.	.	29.502	84.7	53.6	74.8	83.1	69.2	25	...	N & N E	
March	.	.	29.427	92.3	63.5	82.9	90.2	77.9	35	0.52	W S W & N W	
April	.	.	29.301	105.4	73.1	94.6	103.6	80.3	26	...	W S W & N W	
May	.	.	29.197	105.4	75.4	91.3	103.6	90.4	41	0.56	S W	
June	.	.	29.098	102.6	81.6	91.3	100.0	92.1	53	1.87	S W	
July	.	.	29.097	90.3	77.3	83.5	87.0	83.8	76	8.40	S W	
August	.	.	29.171	94.8	76.0	84.8	92.9	85.4	60	0.27	S W	
September	.	.	29.269	90.3	75.1	83.4	87.7	82.7	72	3.54	W S W & S	
October	.	.	29.439	94.8	68.5	87.5	90.6	81.7	48	1.11	E, S E & N E	
November	.	.	29.484	88.1	54.9	79.8	85.3	71.5	34	...	N E & E	
December	.	.	29.619	83.2	48.9	72.9	80.3	66.1	32	...	N E	
Year	.	.	29.343	92.9	66.7	83.3	90.4	79.8	45	16.41	...	
Indore.	Station.	Month.	Not available.	8 A. M. mean.	Mean max- imum.	Mean mini- mum.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	Mean humidity daily. %	Total rainfall in inches.	Prevailing direction.
January	.	.	28.140	79.2	51.4	72.2	76.9	65.3	47	0.18	S W & S E	65
February	.	.	28.117	82.7	50.1	74.0	80.7	66.4	34	...	N E & N	64
March	.	.	28.060	90.2	59.6	82.0	88.0	74.9	31	...	N W & W	95
April	.	.	27.965	101.7	70.5	94.9	98.8	86.1	20	...	N W	121
May	.	.	27.872	102.3	75.0	93.2	99.8	88.7	34	0.37	W & N W	145
June	.	.	27.786	93.5	74.1	85.5	89.3	83.8	66	6.90	W N W & S W	122
July	.	.	27.783	83.7	71.6	77.7	81.0	77.7	82	7.49	S W & W	140
August	.	.	27.851	86.0	70.2	79.8	83.0	78.1	77	4.01	W S W & N W	149
September	.	.	27.913	83.3	69.8	77.4	79.5	76.6	84	4.48	S W & N W	133
October	.	.	28.094	84.1	63.1	79.7	80.1	73.6	64	2.33	N E E & S E	52
November	.	.	27.117	80.4	50.6	76.1	78.0	65.5	47	...	N E & S E	46
December	.	.	27.230	74.8	42.8	69.4	72.0	58.8	44	...	S E & N E	44
Year	.	.	27.994	86.8	62.4	80.2	83.9	74.6	53	25.76	...	98
Neemuch.	Station.	Month.	Not available.	8 A. M. mean.	Mean max- imum.	Mean mini- mum.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	Mean humidity daily. %	Total rainfall in inches.	Prevailing direction.
January	.	.	28.344	76.9	49.7	64.7	75.5	63.3	47	0.27	S & S W & S E	233
Februray	.	.	28.337	78.8	49.1	68.4	77.1	64.0	36	...	S & S W	243
March	.	.	28.242	88.9	60.5	81.4	86.8	74.7	32	0.31	S W	270
April	.	.	28.151	101.9	72.1	95.2	100.3	87.0	21	...	S W	289
May	.	.	28.041	102.6	74.9	93.2	100.0	88.8	30	2.75	S W	404
June	.	.	27.954	97.6	76.7	88.4	94.5	87.2	52	3.51	S W	320
July	.	.	27.953	85.9	73.1	80.7	83.1	79.5	79	4.35	S W	330
August	.	.	28.019	89.4	72.3	83.2	86.6	80.9	70	6.60	S W	309
September	.	.	28.098	84.9	71.3	80.3	81.8	78.1	81	11.21	S W	266
October	.	.	28.292	87.8	63.6	82.0	84.7	75.7	56	1.27	S W S E & N W	200
November	.	.	28.320	83.0	51.8	75.3	80.2	67.4	33	...	S W & S	239
December	.	.	28.444	74.9	45.4	66.5	72.6	60.2	36	...	S	203
Year	.	.	28.183	87.7	63.4	79.9	85.3	75.36	48	30.27	...	276
Delhi.	Station.	Month.	Not available.	8 A. M. mean.	Mean max- imum.	Mean mini- mum.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	Mean humidity daily. %	Total rainfall in inches.	Prevailing direction.
January	.	.	29.304	71.6	49.2	60.0	69.6	60.4	60	1.70	S E W & N W	65
February	.	.	29.267	74.7	48.8	63.5	72.8	61.8	43	...	N W & W	77
March	.	.	29.155	87.2	60.7	76.3	84.4	74.0	46	1.79	N W W & N	86
April	.	.	28.995	103.4	74.3	92.8	100.6	88.9	29	0.15	N W	95
May	.	.	28.858	106.9	79.9	96.8	104.0	93.4	37	0.68	N W & W	137
June	.	.	28.764	106.6	84.1	96.1	103.3	95.4	46	3.53	N W	100
July	.	.	28.782	97.4	81.5	89.0	95.1	89.5	65	2.57	S E & N W	90
August	.	.	28.102	83.1	94.6	99.8	93.0	50	...	N W.	115	
September	.	.	28.061	78.5	88.8	93.5	87.3	59	...	N W & N	90	
October	.	.	28.046	67.7	84.9	91.7	81.2	38	...	N W & N W	59	
November	.	.	28.181	53.9	69.8	78.8	67.9	42	0.09	W & N W	62	
December	.	.	28.744	46.7	60.4	71.6	66.6	41	0.01	W & N W	58	
Year	.	.	28.915	67.4	81.1	88.8	79.5	46	17.05	...	84	

1884.

Station.	Month.	PRESSURE.		TEMPERATURE.						WIND.				
		8 A.M. mean.		Mean daily.		Mean maximum.		Mean minimum.		Mean 16 hrs.		Mean humidity daily %		
		Mean	maxi-	Mean	mini-	Mean	min-	Mean	hrs.	Mean	Mean	Total rainfall in inches.	Prevailing direction,	
Agra.	January	29°511	76·4	50°0	64°3	75°4	63°2	52	0·16	W	89			
	February	423	79·5	51°1	67°3	78°4	65°3	40	0·08	W	107			
	March	3·6	93°0	62°4	81°7	91°6	77°7	33	0·14	W N W	121			
	April	205	101°8	72·2	92°8	100°2	87°0	24	...	W	109			
	May	51	109°0	81·6	99°6	107°2	95°3	20	...	W	126			
	June	28°982	104°4	84°4	95°7	101°4	94°4	42	3·27	W	160			
	July	961	95·3	81°2	88°7	92°8	88·3	68	4·61	E	134			
	August	29°045	88°1	77°6	83°1	86°1	82°9	81	9·89	N W, S W & W	93			
	September	118	88·8	77°4	84°5	86°6	83°1	79	10·01	E	115			
	October	366	87·4	66°3	80°4	86°4	76°9	58	4·54	N W & W	71			
	November	462	81·1	52°7	71°6	80°2	66°9	47	...	N W	68			
	December	552	73·8	46°6	63°2	72°6	60°2	55	0·25	N W	58			
	Year	249	89°9	67°0	81°1	88·2	78·5	50	32·95	...	104			
Pachhadra.	January	29°688	81°0	45°2	65°3	78°3	63°6	44	...	N E, S W	?			
	February	593	87°3	48°8	69°9	82°0	68°1	34	...	N E, E & W	?			
	March	488	101°6	59°5	82°3	93°6	80°6	34	...	S W & N W	?			
	April	401	107°5	67·1	90·1	99·0	87°3	32	...	SW	74			
	May	255	110°9	76°5	95°9	106°7	93°7	32	...	S W	102			
	June	Imper- fect	?	?	?	?	?	?	Imper- fect	?	?			
	July	?	?	?	?	?	?	?	...	?	?			
	August	205	92°0	75°4	84°6	88°7	83°7	72	1·77	Calm & S	118			
	September	286	91°7	74°9	85°5	88°3	83°3	76	6·41	Calm	27			
	October	532	95°6	62°2	85°5	92°2	78°9	48	0·31	Calm	8			
	November	627	87°2	49°7	75°8	84°6	68°5	36	...	Calm	1			
	December	697	80°8	44°0	67°5	78°5	62°4	37	...	Calm	2			
	Year	?	?	?	?	?	?	?	?	...	?			
Sirsia.	January	29°415	75·4	44°3	62°4	73°6	59°9	52	0·14	Calm	14			
	February	322	76·9	45°4	65°2	74°9	61°2	46	0·07	Calm	20			
	March	216	89°5	56°0	82°4	87°2	72°8	39	0·08	Calm & N	35			
	April	097	99°3	65°9	90°8	97°1	82°6	34	0·10	Calm & N	38			
	May	28°945	107°9	75°8	99°5	105°6	91°9	44	0·15	Calm	43			
	June	864	102°9	81°9	93°9	101°2	92°4	57	4·91	W & Calm	44			
	July	832	101°2	81°9	94°1	98°1	91°6	62	4·14	Calm & W	23			
	August	905	97·5	78°7	89°5	95°1	88·1	64	2·58	Calm	19			
	September	29°027	93°1	74°9	87°4	89·5	84°0	73	2·19	Calm & E	21			
	October	230	92°7	60·7	83°8	83°8	80°3	76°7	49	2·18	W	56		
	November	346	81°6	46°6	71°1	78°1	64°1	51	0·27	W	53			
	December	444	74·8	40°2	61°9	71°9	57·5	54	0·01	W & N	41			
	Year	137	91·1	62°7	81°8	88·5	76°9	52	16·82	...	34			
L...	January	29°306	74°8	53°7	64°3	73°6	64°3	37	...	N W, S W & S	57			
	February	220	76·7	55°4	67°4	75°4	66°1	36	0·50	N E & N W	81			
	March	106	89°2	66°0	80·8	88·4	77°6	37	0·01	Calm, S W, W & N W	90			
	April	002	98°6	75°1	89°8	97°6	86°9	28	...	S W, Calm	89			
	May	28°855	107°2	84°1	97°4	106°3	95°7	24	0·46	W, S W & N W.	148			
	June	777	103°8	84°7	93°5	101°1	94°3	?	1·64	S W & W	214			
	July	722	101°0	81°9	93°8	99°2	91°5	51	0·97	N E, S W	166			
	August	810	95°9	79°9	89°3	94°1	87°9	58	2·04	S W	155			
	September	908	93°0	79°0	87°6	91°2	86°0	63	4·79	N E, S W & E.	107			
	October	29°144	92°3	71°2	84°1	91°4	81°8	47	0·46	S W W	95			
	November	260	81°3	58°8	72°1	80°2	70°1	38	0·02	Calm	44			
	December	346	74°7	50°9	64°2	73°2	62°8	30	...	E, N E & S E	44			
	Year	038	90°7	70°1	82°0	89°3	80°4	?	10·89	...	107			

1884.

Station.	Month.	Pressure.		Temperature.						Mean humidity daily %	Total rainfall in inches.	Prevailing direction.	Wind.
		S.A.M. mean.	Mean daily.	Mean maximum.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	Mean daily.				
Jeypore.	January	28'619	76'2	48'0	67'8	73'9	62'1	48	0'07	N W, W & N.	106		
	February . . . . .	.537	78'2	49'6	69'1	76'5	63'9	47	0'06	N W & N.	139		
	March . . . . .	.443	91'3	61'0	82'0	89'4	76'2	33	0'11	N W & N.	153		
	April . . . . .	.359	98'9	67'6	90'4	96'5	83'3	23	...	N W & W	168		
	May . . . . .	.227	106'8	75'9	98'2	103'9	91'4	31	...	N W & W	179		
	June . . . . .	.158	102'1	79'5	92'2	98'3	90'8	46	1'76	N W & W	233		
	July . . . . .	.111	94'7	77'5	87'8	90'5	86'1	71	3'12	N W E	156		
	August . . . . .	.188	90'1	74'6	83'1	86'4	82'4	73	5'59	N W.	137		
	September . . . . .	.257	88'1	73'6	82'4	83'6	80.9	80	14'73	E & S E	135		
	October . . . . .	.499	89'3	62'8	82'2	87'1	76'1	49	...	N W, N & N	82		
	November . . . . .	.579	81'6	51'3	73'7	78'7	66'5	42	0'13	N & N W	77		
	December . . . . .	.650	75'0	46'5	66'8	72'4	60'8	50	0'01	N E, E & N	76		
	Year . . . . .	.386	89'4	64'0	81'3	86'4	76'7	50	25'58	...	137		
Sambhar.	January	28'795	75'2	46'2	63'1	74'1	60'7	51	0'01	N, N E & W	72		
	February . . . . .	.717	77'6	48'2	66'0	76'7	62'9	43	0'07	W N	104		
	March . . . . .	.619	90'1	59'9	79'7	89'0	75'0	33	0'15	N, W & NW	124		
	April . . . . .	.527	97'2	69'0	89'7	95'8	83'1	23	...	N W, W & S W	180		
	May . . . . .	.388	105'1	77'7	97'7	103'8	91'4	24	0'23	N W, W & S W	224		
	June . . . . .	.328	99'5	81'4	91'0	97'8	90'5	46	2'84	W & N W	300		
	July . . . . .	.267	95'0	?	88'2	91'3	?	?	6'05	W, E, & W	220		
	August . . . . .	.347	88'9	76'4	83'5	87'7	82'7	?	1'53	W	167		
	September . . . . .	.420	87'9	75'1	82'2	85'0	81'5	?	13'63	N, N W & N E	190		
	October . . . . .	.668	88'3	63'3	81'3	86'5	75'8	?	...	W, N W	110		
	November . . . . .	.757	79'2	51'7	71'6	77'6	65'5	?	0'32	N W, N & W	88		
	December . . . . .	.825	72'6	45'0	62'9	70'5	58'8	?	0'04	W, N & N W	68		
	Year . . . . .	.555	88'1	?	79'7	86'3	?	?	24'87	...	154		
Ajmere.	January	28'462	74'7	45'2	65'8	73'2	60'0	57	0'23	N W, Calm & S	42		
	February . . . . .	.378	77'6	49'3	68'2	75'9	63'5	48	0'12	N E S W	52		
	March . . . . .	.286	89'2	59'8	80'5	87'6	74'5	38	0'04	Calm, N W, W	?		
	April . . . . .	.209	95'8	70'4	88'0	94'3	83'1	24	...	W	116		
	May . . . . .	.084	103'3	78'5	94'4	101'4	90'9	28	0'12	W	157		
	June . . . . .	.017	97'8	79'3	87'8	95'5	88'6	52	5'05	W, N W	246		
	July	27'053	92'7	78'3	85'1	90'2	85'5	68	6'65	W	157		
	August	28'028	87'9	74'8	81'2	85'4	81'4	74	4'96	W	142		
	September . . . . .	.090	85'9	73'1	80'6	83'5	79'5	79	10'41	N E, N W	82		
	October . . . . .	.338	86'6	60'7	80'7	84'8	73'7	55	0'05	W, N W	40		
	November . . . . .	.413	79'5	47'8	72'8	77'7	63'7	47	0'18	Galm, N E & S	16		
	December . . . . .	.487	72'2	42'7	64'0	70'5	57'5	55	0'01	W	Calm	11	
	Year . . . . .	.229	86'9	63'3	79'1	85'0	75'1	52	27'82	...	?		
Mount Abu.	January	26'167	67'6	50'3	62'8	62'2	59'0	45	0'22	N E & W	104		
	February . . . . .	.114	70'3	53'8	64'8	66'1	62'1	37	0'01	W	140		
	March . . . . .	.082	79'5	62'5	73'1	76'2	71'0	29	...	W & S W	155		
	April . . . . .	.042	83'6	66'6	77'1	80'3	75'1	25	...	W, S W	209		
	May	25'963	89'1	71'6	82'6	86'7	80'4	31	0'64	W & S W	210		
	June	Imperfect.	?	?	Imperfect.	?	Imperfect.	?	6'05	?	?		
	July	Untrust- worthy.	76'8	61'8	70'9	73'9	69'3	83	36'33	W, S W	217		
	August . . . . .	.846	71'4	64'0	67'0	69'1	67'7	93	16'03	S W, W	241		
	September . . . . .	.910	73'1	64'8	69'6	69'3	69'0	91	34'00	N W	198		
	October	26'123	75'2	60'2	72'0	72'2	67'7	56	...	N	77		
	November . . . . .	.151	72'4	54'4	68'3	68'3	63'4	41	...	N E	57		
	December . . . . .	.174	67'8	50'3	63'1	63'2	59'1	45	0'07	N & N E, E	73		
	Year	?	?	?	?	?	?	?	93'35	...	?		

1884.

Station.	Month.	PRESSURE.		TEMPERATURE.						Mean humidity daily %	Total rainfall in inches.	WIND.
		8 A.M. mean.	Mean daily.	Mean maximum.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	Mean daily.			
Deesa.	January	29°585	83°1	50°5	72°1	80°6	66°8	40	...	N E & E.	180	
	February	499	87°0	55°3	76°4	84°8	71°2	30	0°02	N E, N W	201	
	March	416	96°6	63°8	86°4	94°9	80°2	29	...	W & NW	204	
	April	348	101°0	68°9	89°9	98°9	85°0	31	...	W S W.	229	
	May	226	106°7	77°2	92°0	105°0	92°0	40	0°01	S W, W.	342	
	June	150	100°5	79°3	89°2	98°3	89°9	57	2°32	S W.	475	
	July	046	92°9	77°8	85°0	80°8	85°4	74	24°75	S W.	372	
	August	169	88°8	75°3	82°5	85°9	82°1	74	7°59	S W.	278	
	September	242	88°5	74°7	82°0	84°8	81°6	81	16°68	W, S W.	245	
	October	473	91°6	65°3	84°7	80°6	78°5	54	...	N E,	144	
	November	537	88°2	54°3	80°0	86°4	71°3	37	...	N E.	176	
	December	601	82°8	50°7	74°2	80°5	66°8	36	0°06	N E & E.	186	
	Year	358	92°3	66°1	82°9	90°0	79°2	49	51°43	...	253	
Indore.	January	28°208	75°4	46°5	68°3	73°3	61°0	53	1°44	Calm, N E & S E.	34	
	February	132	82°1	51°0	73°6	79°5	66°6	40	0°11	N E & S E	56	
	March	055	93°0	60°4	85°9	90°6	76°7	28	...	N W & W	82	
	April	004	97°9	68°3	90°6	95°3	83°1	23	...	N W & S W	112	
	May	27°893	103°1	75°0	95°3	100°2	89°1	27	0°02	N W & W	177	
	June	838	94°6	74°6	86°8	91°1	84°6	57	5°70	W & S E	185	
	July	766	85°5	72°2	79°8	81°9	78°9	78	13°68	S W W	175	
	August	832	83°2	70°9	78°0	80°0	77°1	81	5°20	W & S W & N W	136	
	September	876	81°3	69°8	76°9	77°4	75°6	87	11°42	N W & S W	133	
	October	28°101	83°6	61°0	79°6	81°4	72°3	63	1°28	N E	49	
	November	156	80°4	50°7	75°9	78°3	65°6	49	...	N E	37	
	December	202	75°0	46°9	68°5	71°9	61°0	61	0°69	N E	47	
	Year	005	86°3	62°3	79°9	83°4	74°3	54	39°54	.....	102	
Neemuch.	January	28°412	76°6	48°4	67°7	74°3	62°5	44	0°38	S W, S	167	
	February	338	81°6	51°1	71°7	79°4	66°4	33	0°02	S & S W	232	
	March	259	92°5	61°8	84°3	90°5	77°2	28	...	S W	200	
	April	186	98°1	68°3	90°2	96°1	83°2	25	...	S W	257	
	May	065	104°4	76°2	94°9	102°2	90°3	25	0°07	S W	251	
	June	27°996	98°7	77°0	80°2	96°1	87°9	47	2°14	S W	323	
	July	933	88°7	74°6	82°5	85°9	81°7	74	6°48	S W	279	
	August	28°007	86°0	72°0	80°6	83°7	79°0	77	8°84	S W	237	
	September	061	83°7	71°0	78°7	80°8	77°4	83	5°32	S W	265	
	October	289	86°3	61°2	81°3	84°3	73°8	52	0°13	N S W	212	
	November	?	82°5	52°3	75°7	79°7	67°4	35	...	S, S N & E	197	
	December	426	74°5	48°4	66°3	72°1	61°5	48	0°44	S E & Calm	238	
	Year	?	87°8	63°5	80°3	85°4	75°7	48	23°82	.....	238	
Delhi.	January	29°375	75°5	49°5	62°2	73°3	62°5	52	...	W & N W	53	
	February	256	77°4	51°3	65°6	75°1	64°4	44	...	N W & W	76	
	March	160	90°9	61°0	79°7	88°7	76°0	40	0°17	W & N W	94	
	April	037	100°3	72°4	91°1	97°8	86°4	27	...	W & N W	85	
	May	28°894	107°5	81°7	97°8	104°1	94°6	28	0°13	W & N W	89	
	June	821	102°1	83°0	92°3	98°1	92°6	52	6°09	W & S E	98	
	July	803	96°9	81°7	89°6	94°1	80°3	65	4°26	S E & W	86	
	August	867	89°8	78°5	84°1	87°5	84°2	77	9°62	W & S E	59	
	September	965	86°9	76°2	82°1	84°4	81°6	81	16°46	S E & N E	59	
	October	29°191	85°	65°6	77°3	83°3	75°6	62	0°03	W & N	45	
	November	283	79°7	54°0	69°1	77°0	66°9	45	...	W & N W	68	
	December	381	72°4	47°0	60°2	69°7	59°7	54	0°09	W & N W	56	
	Year	086	88°8	66°8	79°3	86°1	77°8	52	36°85	.....	72	

1885.

Station	Month.	PRESSURE.		TEMPERATURE.						WIND.	
		8 A.M. mean.		Mean daily.			Mean daily.			Prevailing direction.	
		Mean max. imum.	Mean min. imum.	Mean hrs.	Mean 16 hrs.	Mean daily.	Mean daily.	Mean daily %.	Total rainfall in inches.	Velocity in miles per day.	
Agra	January	29'546	72'3	50'1	62'4	71'4	61'2	62	0'55	N W & W	88
	February	'440	75'6	47'9	64'4	74'8	61'8	46	...	W	90
	March	'370	92'2	62'4	81'2	91'1	77'3	39	0'15	W	86
	April	'248	68'1	70'4	88'7	96'3	84'3	32	0'49	W	123
	May	'199	100'9	75'0	91'5	99'3	88'0	37	2'34	W & N W	104
	June	28'993	104'0	82'9	95'1	100'1	93'5	49	4'55	S W, W & N	115
	July	'968	92'6	79'7	87'6	90'2	86'2	76	13'50	E, W & S W	118
	August	29'002	87'5	78'1	83'5	85'4	82'8	85	13'38	E & S E	126
	September	'203	94'9	75'0	88'1	94'1	85'0	62	0'16	W	104
	October	'335	94'6	68'3	86'4	93'5	81'5	44	0'03	W & S W	85
	November	'483	87'4	56'2	77'0	85'7	71'8	45	...	W	63
	December	'506	73'7	50'9	64'2	72'5	62'3	62	0'72	W & E	82
	Year	'274	89'5	66'4	80'8	87'9	78'0	53	35'81		99
Pachhadra.	January	29'686	77'1	45'1	63'2	74'1	61'1	48	0'38	Calm	33
	February	'592	81'4	43'7	68'9	78'0	62'6	26	...	Calm	33
	March	'519	96'4	59'1	84'4	93'3	77'8	24	...	Calm	41
	April	'415	99'1	66'3	88'7	96'4	82'7	33	0'01	S W, & Calm.	76
	May	'334	104'3	74'1	93'9	101'3	89'2	34	0'81	Calm	74
	June	'149	106'5	81'0	96'0	103'4	93'8	42	1'51	S W	168
	July	'125	98'8	80'1	89'8	97'2	89'5	58	3'03	S W	224
	August	'150	94'9	77'3	86'4	91'7	86'1	68	3'11	S W	205
	September	'360	99'7	71'8	90'1	97'4	85'8	50	...	S W, Calm & S	160
	October	'470	100'9	66'8	91'5	97'7	83'9	32	...	S W S E &	96
	November	'633	93'2	53'7	80'9	90'4	73'5	26	..	Calm	
	December	'642	81'1	47'2	68'0	78'7	64'2	40	..	N E & S E	60
	Year	'423	94'5	63'9	83'5	91'7	79'2	40	8'85	N E	88
Sirsa.	January	29'425	66'9	44'4	57'6	64'5	55'7	69	2'75	W & N	75
	February	'317	72'3	42'3	61'5	70'3	57'3	55	0'05	W	84
	March	'244	89'7	56'4	80'2	87'1	73'1	53	0'02	W & N	85
	April	'125	94'9	64'8	86'0	91'1	70'9	44	0'45	W & Calm	96
	May	'072	97'6	69'2	87'7	93'8	83'4	48	2'10	Calm N W	106
	June	28'848	106'8	80'5	97'9	102'8	93'7	49	0'55	& S E	
	July	'808	103'8	81'9	93'6	99'9	92'9	60	1'66	W & Calm.	86
	August	'845	96'7	79'0	88'3	93'9	87'9	67	5'58	W & E	103
	September	'845	100'1	73'4	89'5	98'1	86'8	51	0'30	E	119
	October	29'052	97'9	64'0	87'6	95'9	81'0	42	0'26	W	99
	November	'195	88'2	49'7	75'9	85'2	69'0	38	..	Calm & W	42
	December	'352	88'2	49'7	75'9	85'2	69'0	57	0'60	Calm	25
	Year	'378	73'8	45'6	62'6	71'1	59'7	57	0'60	W N W & Calm	?
Bikaner.	January	'138	90'7	62'6	80'7	87'8	76'7	53	14'39		?
	February	29'327	68'8	50'1	59'3	66'3	50'5	45	0'54	N E & E	80
	March	'224	73'3	50'2	64'1	72'3	61'8	37	...	N & N W	78
	April	'150	89'9	66'5	81'0	88'5	78'2	41	..	Variable	108
	May	'034	94'4	72'4	85'5	92'8	83'4	44	0'18	S W & W	104
	June	28'971	97'9	75'6	89'4	95'0	86'8	49	1'97	Calm & W	111
	July	'739	105'8	82'0	98'6	104'4	93'9	39	1'38	S W & Calm	155
	August	'686	102'5	79'4	94'7	99'0	91'0	51	1'85	S W & S	163
	September	'730	99'3	79'2	92'3	96'5	89'3	58	1'72	S W	158
	October	'942	97'8	79'1	90'5	95'8	88'5	?	0'01	S W & S	159
	November	29'064	96'5	74'7	80'4	94'2	85'6	?	..	S W & Calm	83
	December	'214	86'0	65'4	80'2	85'1	75'7	37	..	S W	62
	Year	'264	72'4	59'1	68'0	71'5	65'8	43	0'06	S W	69
		'029	90'4	69'5	82'8	88'5	80'0	?	7'71	.....	111

1885.

Station.	Month.	PRESSURE.		TEMPERATURE.						humidity		WIND.	
		8 A.M. mean.	Mean daily.	Mean maximum.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	Mean daily %	Total rainfall in inches.	Prevailing direction.	Velocity in miles per day.	
Jeypore,	January	28.605	72°1	48°4	63°3	69°0	60°3	56	0°52	N N & E	93		
	February	53°	74°4	46°5	66°4	72°3	60°5	42	...	N N & N W	98		
	March	493	90°9	61°4	82°3	88°7	76°2	35	0°02	N W & N	112		
	April	390	95°8	67°0	87°1	92°6	81°4	35	0°02	N W & N	129		
	May	334	99°5	70°5	90°6	94°7	85°0	40	0°67	N W & N	137		
	June	149	102°1	80°0	92°5	97°7	91°1	54	3°33	N W	169		
	July	120	92°9	77°3	85°7	89°6	85°1	74	7°31	N W	143		
	August	135	88°1	75°0	81°6	85°5	81°6	82	15°96	N W	157		
	September	349	95°0	70°4	86°6	92°7	82°7	57	0°37	N W & W	138		
	October	462	95°2	65°6	86°8	92°4	80°4	41	0°01	N W & N	86		
	November	589	87°6	55°0	79°1	85°0	71°3	41	...	N W, N & N E	74		
	December	588	74°7	49°9	66°2	72°0	62°3	61	0°69	N E	92		
	Year	397	89°0	63°9	80°7	86°1	76°5	52	28°90	.....	119	
Sambhar,	January	28.800	70°0	46°7	60°6	68°3	58°4	47	0°44	N & W	122		
	February	704	72°4	44°4	62°7	70°5	58°4	30	...	W & N W	123		
	March	655	88°5	59°2	79°1	86°4	73°9	28	...	W & N W	119		
	April	549	?	66°9	84°2	91°3	?	30	0°04	W & N W	164		
	May	487	?	71°6	88°8	93°1	?	38	1°31	W & N W	161		
	June	318	?	80°0	91°4	96°9	?	46	3°09	W	204		
	July	281	91°7	78°0	85°1	89°9	84°9	67	6°12	W	192		
	August	206	87°5	75°9	81°8	85°4	81°7	27	11°32	W	208		
	September	514	91°7	71°2	84°6	90°6	81°5	56	0°40	W	99		
	October	630	92°8	66°0	85°3	91°3	79°4	39	...	N W & W	87		
	November	766	84°7	53°4	75°0	83°2	69°1	35	...	W, N W & N	59		
	December	764	72°0	47°2	62°5	71°4	59°6	53	1°31	N W & W	119		
	Year	564	?	63°3	78°4	84°9	?	47	24°03	.....	138	
Ajmere.	January	28.458	70°7	46°6	61°4	69°1	58°7	57	0°37	N E, N W & W	64		
	February	372	73°3	41°8	64°2	71°3	57°6	41	...	N W & N E	57		
	March	328	88°7	57°5	80°6	86°7	73°1	38	...	N W	77		
	April	231	92°3	67°7	85°0	91°6	80°3	37	...	N W & W &	134		
	May	161	96°6	70°7	88°9	93°7	83°7	45	1°31	S W	124		
	June	27.999	99°5	79°4	90°8	97°3	89°5	50	4°4	W & N W	201		
	July	957	91°8	76°9	83°5	89°4	84°4	71	7°19	W	202		
	August	975	86°1	74°4	80°6	83°7	80°3	60	10°92	W & N W	207		
	September	28.169	90°4	69°5	83°7	88°9	80°0	64	0°21	N W & W	125		
	October	302	91°9	62°8	84°7	90°6	77°4	47	...	N W	?		
	November	429	85°1	49°9	77°0	83°5	67°5	45	...	S W & W	?		
	December	417	73°7	45°5	64°8	72°1	59°6	59	0°28	S W & N W	40		
	Year	233	86°7	61°8	78°8	84°8	74°3	53	24°82	.....	?	
Mount Abu.	January	26.155	66°2	50°0	60°8	62°0	58°1	49	0°47	S W, N & S	122		
	February	075	66°4	49°8	59°9	64°1	58°1	32	...	N	133		
	March	098	79°4	62°1	73°4	77°1	70°8	32	0°03	W & N	135		
	April	031	81°4	63°8	74°2	78°6	72°6	35	0°03	W	158		
	May	?	?	?	?	?	?	?	0°57	?	?		
	June	?	?	?	?	?	?	?	4°18	?	?		
	July	?	?	?	?	Imperfect	?	?	6°38	?	?		
	August	25.827	72°6	64°9	68°0	69°8	68°8	95	22°90	S W & W	265		
	September	26.021	77°1	64°5	72°2	75°0	70°8	70	1°32	W & S W	182		
	October	112	80°6	65°5	75°8	77°2	73°1	44	0°36	S	96		
	November	190	76°5	60°3	71°7	73°3	68°4	32	...	N E & N	78		
	December	141	67°6	51°6	62°8	64°4	59°6	47	...	N	22		
	Year	?	?	?	?	?	?	?	36°24	.....	?	

1885.

Station.	Month.	PRESSURE.		TEMPERATURE.						WIND.	
		8 A.M. mean.	Mean daily.	Mean max. mum.	Mean min. mum.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	Mean humidity daily. %.	Total rainfall in inches.	Precipitation direction.	Velocity in miles per day.
Deesa.	January	29°590	80°1	51°8	70°7	78°4	66°0	44	0°05	N E	228
	February	500	82°6	50°6	73°8	81°2	66°6	23	..	N E & N	212
	March	445	96°1	64°6	86°3	94°5	80°4	27	..	N W, W & N	204
	April	365	97°6	68°8	87°0	95°6	83°2	31	0°03	E & N	195
	May	295	103°0	76°1	92°5	101°1	89°6	36	..	W	237
	June	120	103°4	82°0	93°1	101°4	92°7	48	1°28	S W & W	379
	July	111	94°6	78°3	85°4	92°2	86°5	69	7°78	S W	354
	August	128	88°9	75°8	82°9	86°7	82°4	78	8°82	S W	321
	September	329	95°7	72°3	87°7	94°0	84°0	55	0°28	S W & W	201
	October	418	97°5	68°1	80°5	95°1	82°8	39	0°01	S E & S	163
	November	542	93°9	59°7	85°4	91°3	76°8	27	..	N E & E	177
	December	535	84°6	53°8	75°4	82°4	69°2	36	..	N E	190
	Year	365	93°2	66°8	84°1	91°2	80°0	43	18°25	.....	247
Indore.	January	28°194	79°0	51°7	70°7	77°1	65°4	60	0°04	N, S E, S & W	60
	February	101	79°1	46°8	70°6	77°2	63°0	39	..	N E E & N W	68
	March	065	92°9	59°7	85°4	90°3	76°3	30	..	N W	76
	April	27°994	97°6	67°6	89°0	94°4	82°6	31	0°20	W & N W	96
	May	943	100°4	72°4	93°1	97°3	86°4	30	0°56	W & N W	118
	June	792	94°6	74°5	86°6	91°1	84°6	57	8°35	S W & W	165
	July	786	85°4	72°4	79°7	82°8	78°9	79	5°56	S W & W	160
	August	812	82°2	70°7	77°0	79°0	76°5	84	6°89	W & S W	153
	September	972	88°4	68°6	82°5	84°5	78°5	68	2°41	N W S W &	85
	October	28°064	88°8	63°1	84°3	86°10	76°0	52	2°50	N N	45
	November	166	84°6	54°2	80°1	81°5	69°4	44	0°06	N E & S E	50
	December	149	77°7	49°6	71°2	74°8	63°7	51	0°53	S E & N E	56
	Year	003	87°6	62°6	80°9	84°6	75°1	53	27°10	.....	95
Neemuch.	January	28°407	76°6	48°8	67°0	74°6	62°7	47	..	S W & S	233
	February	311	77°8	47°1	68°6	76°0	62°5	36	..	S W	249
	March	273	92°4	62°4	84°4	90°4	77°4	31	..	S S W	267
	April	186	88°0	68°7	88°0	95°1	78°4	30	0°03	S S W	281
	May	133	100°1	73°4	93°1	97°7	86°8	30	0°17	S S W	288
	June	27°699	99°2	77°2	91°5	95°6	88°2	44	3°38	S S W	329
	July	952	88°2	74°2	82°1	84°6	81°2	75	9°78	S S W	334
	August	969	82°9	72°4	78°5	80°8	77°7	84	8°01	S S W	352
	September	28°164	80°1	66°2	84°3	87°2	79°2	66	..	N S S W	242
	October	261	92°2	67°8	85°4	89°3	80°0	46	1°21	N W & W	228
	November	375	85°9	56°4	79°3	84°6	71°2	33	..	S S & N W	246
	December	366	77°2	52°3	68°0	75°2	64°8	48	0°24	S E S & N W	294
	Year	197	88°9	64°2	80°9	85°9	76°2	48	22°82	.....	279
Delhi.	January	29°367	67°6	48°8	56°8	65°8	58°2	64	6°82	W & N W	81
	February	252	71°8	48°5	61°0	70°5	60°2	53	..	N W & W	76
	March	189	88°0	62°7	78°2	86°2	75°4	44	0°10	N W & W	69
	April	070	94°5	71°2	86°4	92°5	82°9	37	0°44	W & N W	81
	May	024	96°1	73°4	87°7	93°3	84°8	45	2°34	W & N	95
	June	28°800	103°6	82°0	95°3	100°2	92°8	54	5°69	N N W & W	103
	July	788	93°2	80°6	87°8	91°0	86°9	72	7°02	S E & W	96
	August	818	88°2	78°4	82°7	85°5	83°3	83	15°47	S E & E	93
	September	29°008	94°3	76°3	86°9	92°9	85°3	59	0°06	W & N W	85
	October	144	94°0	69°8	84°9	91°9	81°9	45	..	N W	63
	November	293	85°8	58°0	75°2	83°2	71°9	44	..	N W	53
	December	320	72°3	51°2	62°6	70°1	61°8	65	1°27	N W & S E	70
	Year	089	87°5	66°7	78°8	85°3	77°1	55	39°21	.....	80

1886.

station.	MONTH.	PRESSURE.		TEMPERATURE						WIND.	
		8 A.M. mean.	Mean daily.	Mean maximum.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	Mean humidity daily %.	Total rainfall in inches.	Prevailing direction.
Agra.	January . . .	29°492	73°8	49°7	62°6	72°4	61°8	63	0°43	W	90
	February . . .	466	78°2	49°2	66°0	77°6	63°7	39	...	W & N W	115
	March . . .	328	89°4	63°3	78°1	87°7	76°4	46	0°28	E & W	106
	April . . .	211	102°9	71°2	92°6	101°3	87°1	27	...	W	94
	May . . .	102	105°5	80°0	94°5	104°0	92°8	36	0°50	W & E	147
	June . . .	28°993	102°3	82°4	93°2	99°7	92°4	52	5°26	W & N W	144
	July . . .	979	91°5	80°3	86°5	80°0	85°9	79	15°60	E & N	112
	August . . .	29°042	90°1	78°6	85°7	87°6	84°4	81	9°46	W	99
	September . . .	166	93°9	75°3	86°9	92°8	84°6	66	1°61	N W	100
	October . . .	300	92°5	71°7	84°7	90°6	82°1	57	0°02	N E & E & N	62
	November . . .	456	86°4	56°9	76°8	84°4	71°7	48	...	N W & W	43
	December . . .	509	77°8	50°4	66°7	75°9	64°1	52	...	N W & N	64
	Year . . .	254	90°4	67°4	81°2	88°6	78°9	54	33°16	...	98
Pachhabdara.	January . . .	29°630	78°4	45°4	65°3	76°4	61°9	38	...	N E & Calm	45
	February . . .	632	81°9	45°2	68°4	79°9	63°6	21	...	N E, E S E & Calm	51
	March . . .	482	93°1	60°1	82°3	90°1	76°6	30	0°28	Calm	72
	April . . .	106°1	69°6	49°1	103°2	87°9	26	...	Calm & S W	66	
	May . . .	111°6	81°4	97°6	109°1	96°5	31	0°20	S W & Calm	185	
	June . . .	105°4	80°3	93°0	103°4	92°9	50	1°88	S W	254	
	July . . .	177	96°0	78°7	87°2	94°1	87°4	69	5°46	S W & C	239
	August . . .	248	94°0	76°0	85°4	91°6	85°0	69	4°29	S W a	214
	September . . .	379	97°7	70°9	87°3	95°6	84°3	60	...	S W ^a m	215
	October . . .	465	101°3	69°7	92°2	98°5	85°5	39	...	S W &	110
	November . . .	638	92°4	54°1	79°6	80°9	73°3	33	...	Calm	79
	December . . .	703	82°0	44°6	68°0	80°0	63°3	29	...	Calm & N E & E	82
	Year . . .	?	95°0	64°7	83°4	92°7	79°9	41	12°11	...	134
Sirsa.	January . . .	29°379	68°6	44°7	58°0	67°5	56°7	64	0°74	N W & S E	100
	February . . .	355	73°2	43°4	64°1	72°9	58°3	45	...	N W & N	121
	March . . .	202	85°8	57°0	75°3	83°0	71°4	50	0°05	N	129
	April . . .	097	100°9	67°1	91°4	98°2	84°0	3	0°03	N W	133
	May . . .	28°963	105°9	76°7	96°3	102°6	91°3	36	0°35	W & S E	155
	June . . .	841	104°6	80°9	94°7	101°4	92°8	46	3°16	W & N W & Calm	133
	July . . .	821	98°3	80°9	90°1	94°7	80°6	68	5°87	Calm & W	95
	August . . .	890	99°7	79°0	90°6	96°1	80°4	62	2°19	W & S W	127
	September . . .	29°013	103°5	76°6	92°6	101°4	90°1	48	0°05	W	155
	October . . .	179	96°3	64°1	86°1	93°1	80°2	43	0°55	Calm & S E & N W	80
	November . . .	335	85°7	50°6	73°6	83°2	68°2	43	0°02	?	47
	December . . .	394	76°3	44°4	63°8	73°6	60°4	42	0°02	?	85
	Year . . .	122	91°6	63°8	81°4	89°0	77°7	48	13°03	...	113
Bikaner.	January . . .	29°267	67°9	56°1	61°4	67°6	62°0	45	0°10	S W & S	83
	February . . .	243	72°0	56°2	61°9	69°6	64°1	41	...	S W & N	93
	March . . .	094	86°2	67°7	79°3	84°5	77°0	42	0°09	S W, S & Cal	97
	April . . .	28°088	101°0	78°1	94°7	99°0	89°6	35	...	S W	89
	May . . .	841	108°1	84°3	102°1	105°0	96°2	30	0°04	S W & S	130
	June . . .	751	104°9	84°2	97°8	102°3	94°6	34	2°56	S & S W	156
	July . . .	726	99°6	82°4	94°1	96°3	91°0	39	3°66	S & S W	159
	August . . .	98°2	80°2	93°1	95°7	89°2	45	1°27	S & S W	116	
	September . . .	101°1	78°6	93°5	98°3	89°9	42	...	S W & S	169	
	October . . .	97°4	74°6	92°4	95°3	86°0	41	...	S W & S	82	
	November . . .	85°9	64°8	79°6	83°2	75°4	30	...	Calm, N & S W	64	
	December . . .	75°2	56°0	69°4	72°7	65°6	27	...	Calm & N	60	
	Year . . .	91°5	71°9	84°9	89°1	81°7	38	8°62	...	108	

Untrustworthy.

1886.

Report.	Station.	MONTH.	PRESSURE.		TEMPERATURE.				WIND.		
			8 A.M. mean.	Mean daily.	Mean maximum.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	Mean humidity daily %.	Total rainfall in inches.
January	Not available.	28°575	73°2	50°0	64°2	70°9	61°6	60	0°58	E & N W	101
February		'571	77°5	48°5	67°6	75°6	63°0	38	...	N N	101
March		'444	88°7	61°4	79°5	86°1	75°1	45	0°06	N W & N	128
April		'356	101°1	69°0	92°5	99°0	85°1	26	...	N W	118
May		'237	106°5	78°0	95°8	103°6	92°3	32	0°34	N W & N	142
June		'152	101°9	79°5	91°8	97°3	90°7	51	1°61	N W	150
July		'125	91°6	77°2	84°2	86°5	84°4	78	10°34	N W & W	133
August		'190	90°9	75°1	83°5	87°2	83°0	76	4°65	N W & W	116
September		'317	95°0	71°3	85°9	92°3	83°2	60	1°29	N W	124
October		'423	93°4	68°8	85°9	89°7	81°1	52	1°01	E	87
November		'559	86°7	56°4	78°5	84°2	71°6	43	0°02	N & N W	64
December		'605	78°1	49°1	69°3	75°3	63°6	42	...	N & N W	74
Year		'380	90°4	65°4	81°6	87°3	77°9	50	19°90	...	112
Sambhar.	Not available.	28°747	70°9	47°6	62°4	69°6	59°3	55	0°05	S E & N W	127
		'746	74°9	45°8	64°9	73°8	60°4	30	...	W & N	144
		'610	86°5	59°3	77°6	84°6	72°9	34	0°03	W	173
		'522	98°5	67°2	89°3	97°0	82°9	23	...	W & N W	153
		'396	104°6	77°1	95°4	102°5	90°9	30	1°45	W & N W	200
		'322	99°2	79°9	90°4	96°2	89°6	50	0°91	W	234
		'280	90°9	77°9	84°2	87°6	84°4	75	7°95	W	215
		'350	89°0	75°6	82°8	86°8	82°3	76	8°68	W	190
		'482	92°5	73°5	84°2	91°3	83°0	59	1°53	W	199
		'578	92°3	67°0	84°3	90°9	79°7	53	0°47	N & N W	124
		'729	84°3	53°6	73°6	83°1	69°0	42	...	N W & N	93
		'780	75°1	45°8	62°9	73°8	60°5	49	...	W & N	92
Ajmere.	Not available.	28°401	72°1	45°6	62°6	70°6	58°9	56	0°20	N E & S E	37
		'405	76°0	46°7	65°4	74°6	61°4	35	0°05	N E	63
		'273	87°0	60°2	77°6	85°1	73°6	41	...	W & N W	95
		'190	99°1	69°6	90°6	96°8	84°4	25	...	N W & W	88
		'060	104°4	79°3	95°8	102°5	91°9	34	0°95	S W & W	119
		27°987	98°1	79°6	89°0	95°5	88°9	54	1°89	W & N W	183
		'941	89°4	76°8	83°9	88°3	83°1	75	3°94	N W & W	157
		28°021	88°4	74°6	81°8	86°5	81°5	75	4°60	W & N W	148
		'154	92°4	74°3	83°7	91°4	83°4	59	1°50	W & N W	150
		'245	92°6	68°8	85°7	90°6	80°7	56	2°01	N E & Calm	29
		'394	85°0	53°8	76°8	83°8	69°4	46	...	Calm & N E	18
		'437	75°5	46°4	67°6	74°6	61°0	44	...	Calm, N E & N W	20
		'209	88°3	64°6	80°0	86°7	76°5	50	15°14	...	92
Mount Abu.	Not available.	.	.	.	.	.	.	.	.	.	.
		26°120	65°7	50°6	60°4	62°2	58°2	43	0°06	N & W	129
		'134	69°9	52°6	64°0	66°7	61°3	27	...	N	145
		'065	76°9	60°5	70°7	73°7	68°7	35	0°23	W & S W & N	160
		'042	86°8	69°4	80°1	84.8	78°1	23	...	W	179
		25°948	90°9	73°4	84°6	88°6	82°2	42	0°97	S W & W	193
		'870	82°8	68°8	76°2	80°6	75°8	69	7°29	S W & W	203
		'804	73°5	66°1	69°9	71°1	66°8	93	27°67	S W & W	241
		'864	70°4	64°0	67°2	68°6	67°2	96	21°11	S W & W	249
		'999	75°1	63°6	71°0	73°0	69°4	76	2°28	S W & W	197
		26°061	81°3	66°4	77°1	78°4	73°9	50	0°04	N E & E	115
		'161	76°2	59°8	72°2	73°2	68°0	42	...	E, W & N E	84
		'164	70°2	53°2	65°2	66°4	61°7	40	...	N E	83
		'019	76°6	62°4	71°6	73°9	69°5	53	54°65	...	165

1886.

Station.	Month.	Pressure.		Temperature.						Wind.	
		S. A. M. mean.	Mean daily.	Mean max.	Mean min.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	M ^a n humidity daily %.	Total rainfall in inches.	Prevailing direction.
Deesa.	January	29°530	81°7	51°5	71°8	70°5	66°6	37	...	N E	210
	February	.531	86°5	53°0	75°6	84°6	69°8	20	...	N E	239
	March	.414	94°9	63°9	84°9	92°7	79°4	28	...	W, N W & N	20
	April	.332	104°4	68°7	92°4	103°1	86°6	25	...	W & S W	197
	May	.201	108°7	80°7	95°6	106°2	94°7	38	0°13	S W	303
	June	.129	102°0	80°9	90°7	100°4	91°5	54	1°16	S W	309
	July	.092	90°4	77°3	84°2	87°0	83°9	78	11°28	S W	340
	August	.176	87°1	75°2	81°8	85°2	81°2	78	8°93	S W	255
	September	.312	93°0	72°1	84°4	91°6	82°6	64	0°59	S W	178
	October	.341	98°5	71°5	89°8	95°9	85°0	48	0°08	N E, S E & S	157
	November	.504	93°4	61°4	85°3	90°7	77°4	34	...	E & N E	168
	December	.557	85°5	52°0	75°3	83°3	68°8	35	...	N E & N	182
	Year	.343	93°8	67°4	84°3	91°7	80°6	45	22°17	...	228
Indore.	January	28°147	78°7	50°0	71°0	76°4	64°4	48	0°02	S E & S	62
	February	.143	83°2	40°4	74°1	81°3	66°3	31	...	N E & E	74
	March	.045	91°7	61°2	84°2	80°3	76°5	32	...	W & Calm	73
	April	27°974	100°9	66°9	93°9	97°8	83°9	18	0°05	N W, W & N	80
	May	.869	103°5	77°1	95°7	99°4	90°3	34	4°24	W & N W &	107
	June	.796	91°9	72°6	84°8	87°0	82°3	69	11°11	N W & W	135
	July	.782	82°9	71°7	78°0	80°0	77°3	84	7°93	S W, W & N	148
	August	.849	82°6	71°2	78°2	78°5	76°9	84	6°36	W & S W	155
	September	.957	87°9	68°7	82°1	85°2	78°3	71	0°59	W, N W, N & Calm	68
	October	28°005	86°7	68°0	81°4	82°4	77°4	67	3°67	N E & E	56
	November	.149	84°2	56°4	79°7	81°4	70°3	50	...	N E & S E	42
	December	.101	78°0	50°9	72°4	75°4	64°5	53	0°36	N E & E	47
	Year	27°992	87°7	63°7	81°3	84°5	75°7	53	34°33	...	87
Kemach.	January	28°346	77°7	49°1	66°0	75°8	63°4	45	...	S W & S	295
	February	.329	81°5	49°0	70°4	79°7	65°3	30	...	Variable	288
	March	.236	91°1	61°5	81°8	89°2	76°3	32	...	S W & S	262
	April	.157	101°2	69°9	93°4	99°4	85°6	20	...	S W, W & N W	279
	May	.041	106°3	79°0	96°5	103°4	92°7	27	0°66	S W	208
	June	27°975	98°3	76°4	88°9	95°0	87°4	49	7°77	S W	315
	July	.942	86°6	73°4	81°1	83°7	80°0	78	5°62	S W	308
	August	28°010	83°8	72°2	79°4	81°3	78°0	82	13°19	S W	252
	September	.134	89°2	69°0	82°8	87°2	79°1	68	1°16	S W	276
	October	.108	90°4	67°3	83°7	87°1	78°9	59	2°98	S E	206
	November	.346	85°8	57°4	78°9	84°1	71°6	45	...	S E & N E	?
	December	.387	77°6	50°6	69°5	75°9	64°1	44	0°14	E & S	18
	Year	.175	89°1	64°6	81°0	86°8	76°9	48	31°52	...	7
Delhi.	January	29°310	69°8	50°7	60°2	67°9	60°3	65	1°23	W, N W & S E	79
	February	.277	74°5	49°8	63°6	72°8	62°2	47	0°12	N W & W	120
	March	.149	84°8	61°4	75°3	82°6	73°1	53	0°28	W, N W & S E	106
	April	.031	100°7	71°9	91°2	98°9	86°3	30	0°01	N W, W & N	100
	May	28°924	102°4	77°5	93°2	100°2	90°0	39	0°54	S E	122
	June	.801	102°0	82°6	93°2	97°8	92°3	51	10°42	S E & N W & W	119
	July	.791	92°2	80°3	86°9	89°4	86°3	77	9°65	S E	95
	August	.854	91°9	78°7	85°2	88°8	85°3	77	4°75	W & N W & S E	80
	September	.970	96°2	77°0	88°6	94°3	86°6	58	1°24	N W & W	88
	October	2°126	91°8	68°7	84°3	88°8	80°3	55	1°28	Calm & S E	42
	November	.267	85°0	56°5	74°3	82°1	70°8	48	...	Calm & N W & W	38
	December	.312	75°0	50°5	64°0	72°8	63°2	52	0°06	N W	77
	Year	.068	88°9	67°1	80°0	86°4	78°0	54	29°58	...	89

1887.

Station.	Month.	PRESSURE.		TEMPERATURE.						WIND.	
		8 A.M. mean.	Mean daily.	Mean max- imum.	Mean min- imum.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	Mean humidity daily %	Total rainfall in inches.	Prevailing di- rection.
Agra.	January	29.404	71.5	50.0	62.0	69.6	60.8	62	1.06	E, W & N W	81
	February . . . . .	.448	81.7	50.2	68.9	80.5	66.0	38	...	N W	91
	March . . . . .	.282	93.3	62.8	81.3	91.8	78.1	30	0.07	N W & W	111
	April . . . . .	.215	104.3	73.3	93.3	101.9	88.8	25	...	N W	79
	May . . . . .	.047	111.8	85.0	101.0	100.7	98.4	25	...	N W & W	134
	June . . . . .	.975	107.2	85.8	98.0	104.7	96.5	41	1.48	N W, W & N	?
	July . . . . .	.974	90.9	79.2	86.0	89.0	85.1	79	19.61	E, N W & N	?
	August	29.048	86.6	77.7	83.1	84.7	82.2	87	12.82	W & E	95
	September . . . . .	.170	90.3	74.7	84.8	88.5	82.5	73	7.93	W & N W	93
	October . . . . .	.363	91.4	65.9	83.6	90.1	78.7	55	...	N W & W	71
	November . . . . .	.491	83.8	54.3	74.0	82.5	69.1	46	0.07	N W	47
	December . . . . .	.522	77.9	50.3	66.4	76.7	64.1	55	...	N W & W	47
	Year . . . . .	.245	90.9	67.4	81.9	89.1	79.2	51	43.04	...	?
Pachhadia.	January	29.603	77.2	45.1	63.0	75.1	61.2	44	0.23	E, Calm & N	105
	February . . . . .	.653	85.7	47.1	69.6	84.0	66.4	26	...	E, N E & S	111
	March . . . . .	.965	58.4	79.2	94.6	77.5	32	...	S W	191	
	April	105.8	70.0	90.7	103.6	87.9	26	...	S W & S	179	
	May	110.0	78.4	91.0	108.2	94.2	43	...	S W	?	
	June	105.2	81.5	90.8	103.0	93.4	47	...	S W	346	
	July . . . . .	.961	78.4	85.3	93.9	87.3	68	1.71	S W	?	
	August . . . . .	.947	77.1	83.8	92.1	85.9	68	1.30	S W	355	
	September	100.1	75.1	84.9	88.4	87.6	54	...	S W	239	
	October . . . . .	.99.9	66.1	85.6	97.2	83.0	35	...	Calm	92	
	November . . . . .	.91.4	54.9	74.8	88.5	73.2	26	...	Calm	54	
	December . . . . .	.83.7	49.2	65.9	82.0	66.5	35	...	N E	67	
	Year . . . . .	.95.5	65.1	80.4	93.4	80.3	42	3.24	...	?	
Sirsia.	January	29.289	68.5	43.6	56.7	66.1	56.1	59	0.63	?	95
	February . . . . .	.333	79.2	44.6	65.3	77.2	61.9	40	...	N W	122
	March . . . . .	.144	92.3	56.8	79.9	89.9	74.6	37	0.09	W & N W	142
	April . . . . .	.097	102.6	69.3	93.1	99.8	86.0	34	...	W & N W	115
	May	28.806	112.1	79.3	101.6	109.4	95.7	26	...	W & S W	168
	June . . . . .	.846	106.2	82.3	95.3	103.8	94.3	41	1.58	W	?
	July . . . . .	.830	98.5	80.9	89.8	94.8	80.7	66	4.68	S E & E	170
	August . . . . .	.908	93.1	77.9	85.9	90.3	85.5	78	8.81	S W & E	115
	September	29.028	97.4	72.3	87.3	94.7	84.9	60	1.64	W & S W	100
	October . . . . .	.224	95.4	61.8	85.3	93.0	78.6	47	0.50	W & S W	75
	November . . . . .	.366	85.4	46.9	72.7	82.9	66.2	45	...	W & N W	59
	December . . . . .	.404	76.5	43.3	63.2	73.9	59.9	53	1.14	E, N W &	70
	Year . . . . .	.114	92.3	63.3	81.3	89.7	77.8	49	19.07	Calm	?
Bikaner.	January	29.227	68.9	50.3	60.9	65.7	59.6	29	0.40	S	87
	February . . . . .	.269	78.5	55.7	60.1	76.4	67.1	29	...	Variable	98
	March . . . . .	.083	91.0	66.2	84.5	89.3	78.6	27	...	S W & S	116
	April . . . . .	.002	102.3	76.7	94.8	99.9	89.5	27	0.18	S, W & Calm	113
	May	28.817	110.6	84.8	101.5	109.4	97.7	25	0.04	W & S	201
	June . . . . .	.763	105.2	83.3	95.5	103.4	94.3	30	2.37	S, S W & W	191
	July . . . . .	.746	99.4	81.6	91.2	96.3	90.5	36	1.24	S & W	119
	August . . . . .	.833	96.7	80.1	89.2	93.4	88.4	41	1.44	S & S W	148
	September . . . . .	.939	100.7	77.8	91.7	98.2	89.3	43	0.03	S W & N	?
	October	29.120	95.9	68.9	88.3	93.6	82.4	40	0.02	S & S W	?
	November . . . . .	.240	85.4	59.5	79.7	84.0	72.5	29	...	S & S W	?
	December . . . . .	.280	77.3	53.7	67.5	74.8	65.5	32	...	S & S W	?
	Year . . . . .	.027	92.7	69.9	84.5	90.4	81.3	32	5.72	...	?

1887.

Station.	Month.	PRESSURE.		TEMPERATURE.						Mean humidity daily %.	Total rainfall in inches.	WrND. Prevailing direction.	Velocity in miles per day.
		8 A.M. mean.	Mean daily.	Mean maximum.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.					
Jeyapore.	January	28·490	71·0	49·1	62·5	68·4	60·1	54	0·72	E, N W & N	99		
	February	550	81·3	49·7	71·7	79·4	65·5	29	..	N & N W	89		
	March	404	92·5	50·8	82·6	90·4	76·2	23	0·01	N W	108		
	April	359	102·5	69·7	93·0	99·9	86·1	21	0·05	N W	105		
	May	209	109·4	79·8	99·2	106·8	94·6	23	..	N W	157		
	June	137	103·8	80·2	93·6	99·6	92·0	45	1·44	N W	145		
	July	117	88·7	76·1	82·2	85·3	82·4	80	17·33	N W	136		
	August	191	86·5	74·0	80·0	82·5	80·3	87	20·54	N W	115		
	September	302	92·1	71·4	84·6	89·4	81·8	67	4·34	N W	101		
	October	479	93·2	63·0	85·0	90·6	78·1	42	0·01	N W	83		
	November	591	85·3	52·8	77·2	82·3	69·1	40	0·03	N Z	67		
	December	607	79·0	49·1	70·2	76·6	64·1	46	0·03	N	77		
	Year	370	90·4	64·6	81·8	87·6	77·5	46	44·50	..	107		
Sambhar.	January	28·664	70·1	46·0	58·5	68·8	58·1	57	0·71	W, N W & N E	92		
	February	728	78·6	47·5	65·4	77·5	63·1	33	..	N W & W	122		
	March	570	89·9	57·5	79·8	88·6	73·7	23	..	W	158		
	April	528	100·1	68·6	91·2	98·5	84·4	22	0·05	N W & W	147		
	May	377	107·1	81·1	96·4	105·8	94·1	28	..	W	273		
	June	307	102·5	80·8	93·1	99·8	91·7	44	0·35	W	250		
	July	276	88·5	77·3	81·6	85·8	82·9	78	14·34	W	220		
	August	348	85·5	75·1	80·1	83·7	80·3	85	7·31	W	201		
	September	463	91·0	74·0	83·5	89·8	82·5	64	0·98	W & N	185		
	October	644	91·1	63·2	82·4	89·6	77·2	45	0·06	W & N W	113		
	November	766	83·0	51·0	71·9	81·3	67·0	41	..	W & N	75		
	December	778	76·1	46·7	64·4	75·1	61·4	49	0·06	N	104		
	Year	537	88·6	64·1	79·0	87·0	76·4	47	23·86	..	162		
Ajmere.	January	28·318	71·3	46·5	61·4	69·7	58·9	55	0·80	Calm & N E	33		
	February	384	79·5	47·8	70·0	78·4	63·7	35	..	Calm	26		
	March	244	90·1	60·7	81·4	88·7	75·4	48	..	W & Calm	78		
	April	192	100·6	69·5	91·5	98·4	85·0	42	..	N W & W	60		
	May	059	105·7	81·9	94·9	104·2	93·8	47	0·08	W	200		
	June	27·987	100·0	80·6	89·8	97·6	90·3	55	1·97	W & N W	178		
	July	950	86·1	75·5	80·6	84·1	80·8	80	10·55	W & N W	152		
	August	28·026	84·4	73·9	78·0	82·0	79·2	84	7·82	W	?		
	September	137	89·5	72·9	82·0	88·1	81·2	65	0·70	W	124		
	October	305	90·8	60·4	83·5	89·8	75·6	46	..	W & N W	63		
	November	416	83·0	48·9	75·7	82·0	66·0	42	..	Calm	17		
	December	428	76·5	45·5	68·8	75·5	61·0	48	0·01	Calm	26		
	Year	204	88·1	63·7	79·8	86·6	75·9	54	21·93	..	?		
Mount Abu.	January	26·045	65·6	49·9	59·9	62·4	57·8	44	0·01	W	140		
	February	123	71·7	54·1	65·4	69·2	62·9	26	..	W & N W	123		
	March	040	79·4	61·8	72·3	77·2	70·6	22	..	W	185		
	April	044	87·4	69·8	81·0	84·8	78·6	23	..	W	171		
	May	25·959	89·3	72·0	83·1	87·4	80·7	32	..	W	243		
	June	861	82·7	67·2	74·9	80·0	75·0	71	2·73	S W	200		
	July	800	72·6	65·2	68·3	70·6	68·9	94	42·65	W	275		
	August	875	69·9	64·2	66·7	68·3	67·1	96	30·99	S W & W	250		
	September	980	76·2	63·8	72·1	73·5	70·0	70	0·84	S W & W	183		
	October	26·114	79·5	64·2	76·2	76·5	71·9	41	..	S W, W N & N E	108		
	November	170	74·8	58·9	71·3	71·4	66·9	37	..	N & N E	79		
	December	165	65·9	53·4	62·7	63·8	59·7	46	0·26	S E & N E	78		
	Year	015	76·2	62·0	71·2	73·8	69·1	50	77·48	..	170		

1887.

Station.	Month.	Pressure.	Temperature.						Mean humidity daily %.	Total rainfall in inches.	Prevailing direction.	Wind.
			S.A.M. mean.	Mean daily.	Mean max. num.	Mean min. num.	Mean 10 hrs.	Mean 16 hrs.				
Deesa.	January	29°460	81°7	51°8	71°3	79°8	66°8	42			N	208
	February	514	89°1	52°4	77°2	87°2	70°8	20			N E N	203
	March	377	97°0	61°1	84°0	94°8	79°1	24			S W & W	209
	April	320	104°5	71°7	93°0	102°4	88°1	21			W & S W	230
	May	221	106°6	77°2	90°7	104°5	91°9	39			S W	375
	June	119	100°6	79°7	89°8	98°9	90°2	52	1°52		S W	374
	July	94	88°6	76°7	82°4	86°1	82°7	79	7°49		S W	355
	August	180	86°0	74°8	80°6	83°9	80°4	81	4°40		S W	294
	September	278	93°8	71°9	84°8	92°2	82°9	62			S W	212
	October	426	97°3	65°3	89°5	95°3	81°3	35			N E & E	169
	November	527	92°0	58°4	84°3	89°7	75°2	26			E & N E	168
	December	546	86°0	54°1	76°0	84°0	70°1	36	0°23		N E	212
	Year	339	93°6	66°3	83°6	91°6	80°0	43	13°64		...	251
Indore.	January	28°083	78°9	52°2	71°9	76°4	65°6	49			S E, S & N	78
	February	149	81°3	49°9	76°0	82°3	67°1	28			N E	66
	March	024	92°8	60°5	85°1	90°4	76°7	25			W & N W	104
	April	27°970	100°7	69°2	93°8	97°8	85°0	21			N W & W	82
	May	870	102°5	75°6	92°9	100°1	89°1	36	0°37		N W	146
	June	783	93°5	74°0	85°2	89°3	83°8	62	6°56		W & S W	150
	July	764	81°0	71°5	76°5	77°8	76°3	88	16°67		W	160
	August	837	80°5	70°7	75°8	77°7	75°6	88	6°36		W	118
	September	921	83°6	69°2	79°0	80°6	76°4	78	6°76		N W	107
	October	28°068	86°0	63°1	81°7	83°2	74°6	56	1°46		N & N E	60
	November	160	80°9	54°5	76°0	77°0	67°7	54	1°82		E & S E	58
	December	165	78°1	50°2	73°3	75°7	64°2	55	0°21		S E	64
	Year	983	86°9	63°4	80°6	84°0	75°2	53	40°21		...	99
Neemuch.	January	28°270	78°1	50°5	67°6	75°4	64°3	47			S W & S	184
	February	218	?	Imp perfect	82°6	89°9	?	38			?	?
	March	065	105°9	78°1	93°1	102°5	92°0	?	0°14		S W & W	?
	April	27°982	96°8	76°4	86°5	91°8	86°6	64	9°40		W & S W	?
	May	952	84°7	73°2	78°3	81°2	79°0	86	8°58		W & S W	?
	June	28°033	83°0	72°3	77°3	80°1	77°7	86	19°45		W	317
	July	?	87°3	70°1	80°0	84°6	78°7	76	1°50		W	268
	August	?	89°5	64°0	82°4	87°4	76°8	45	...		W & E	212
	September	388	82°9	55°5	74°7	80°7	69°2	45	0°48		E & N E	147
	October	391	78.9	49°5	69°2	77°3	64°2	43	0°32		E	140
	Year	?	?	?	?	?	?	?	40°22		...	?
Delhi.	January	29°228	68°0	48°5	58°3	65°5	58°3	64	2°34		N W.	53
	February	252	78°0	51°6	67°7	75°9	65°3	30	...		N W	76
	March	105	90°8	61°8	80°8	88°1	76°3	33	...		N W	118
	April	054	102°2	73°3	93°5	98°7	87°8	25	0°09		N W	91
	May	28°878	109°6	82°0	100°9	106°6	95°8	27	...		N W	110
	June	799	107°0	79°1	96°9	101°6	93°1	43	2°01		N E & N W	108
	July	822	92°0	78°0	86°1	89°0	85°0	75	12°92		S E & N E	96
	August	864	87°4	77°4	83°5	85°0	82°4	82	17°39		N E & S E	59
	September	975	89°7	74°8	83°8	88°4	82°3	60	3°92		N W	63
	October	29°167	90°5	66°5	82°8	88°5	78°5	53	0°02		N	50
	November	290	82°7	55°0	72°8	80°4	68°9	47	...		N & N W	46
	December	334	75°9	49°9	65°3	73°6	62°9	55	0°30		N W, N & W	48
	Year . . . . .	.064	89°6	66°5	81°0	86°8	78°1	;	38°99		...	77

1888.

Station.	Month.	PRESSURE.		TEMPERATURE.						WIND.	
		8 A. M. mean.	Mean daily.	Mean maximum.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	Mean daily humidity %.	Total rainfall in inches.	Prevailing direction.	Velocity in miles per day.
Agra.	January	29°534	69°5	45°8	58°6	68°2	57°7	58	0°92	W	72
	February	°474	76°8	52°8	66°8	75°6	64°8	58	0°26	W & N W	106
	March	°329	93°6	65°0	83°2	92°2	79°3	38	0°23	W & N N W	119
	April	°167	103°9	74°7	94°4	102°5	89°3	24	...	W & N N W	134
	May	°077	108°6	80°3	99°1	106°6	94°5	28	0°27	N W & W	124
	June	28°969	108°0	85°1	98°4	105°6	96°6	37	0°64	N W & W	140
	July	°970	92°8	79°9	86°8	89°7	86°4	79	8°91	N E, E, S E & N W	90
	August	29°022	89°2	77°9	85°3	87°3	83°6	82	7°60	N W & S E	100
	September	°208	91°3	74°9	86°4	88°7	83°1	73	9°77	N W	100
	October	°379	92°0	66°5	84°9	90°6	79°3	53	0°12	N W	56
	November	°458	84°0	57°6	76°4	82°0	70°8	52	0°23	N W	55
	December	°544	76°2	46°0	65°8	74°9	61°1	57	...	N W	48
	Year	°261	90°5	67°2	82°2	88°7	78°9	53	28°95	...	95
Pachbhadra.	January	75°5	47°6	60°2	74°0	61°6	42	0°50	N E, N & Calm	72	
	February	81°3	54°9	67°4	79°7	68°1	49	0°71	Calm & N E	101	
	March	97°5	64°8	80°1	94°2	81°2	45	...	S W	131	
	April	104°7	72°5	86°9	101°1	88°6	44	...	S W & N W	150	
	May	108°8	76°8	91°6	103°9	92°8	42	...	S W	259	
	June	106°4	80°7	91°1	102°1	93°6	50	0°18	S W	339	
	July	°144	99°5	80°7	88°7	96°4	90°1	60	1°28	S W	306
	August	°198	93°5	77°6	84°1	90°7	85°6	69	3°99	S W	228
	September	°413	99°7	74°3	86°8	97°6	87°0	53	...	S W	121
	October	°549	99°4	67°1	86°3	96°6	83°3	37	...	Calm	64
	November	°627	87°9	56°6	74°2	85°7	72°3	42	...	Calm	53
	December	°703	82°4	46°6	65°0	81°3	64°5	37	...	Calm	28
	Year	?	94°7	66°7	80°2	91°9	80°7	48	6°66	...	155
Sisra.	January	29°421	66°7	40°6	54°8	64°7	53°7	61	0°26	N W & N	62
	February	°358	74°1	46°3	62°3	71°5	60°2	58	0°60	N W	109
	March	°195	92°9	60°0	81°0	90°8	76°5	50	0°09	W & N W	123
	April	°044	102°5	69°5	92°5	99°7	86°0	46	0°04	W	136
	May	28°930	108°9	78°1	100°3	105°9	93°5	40	0°21	W	137
	June	°819	107°2	82°4	96°8	104°3	94°8	49	1°53	W & S W	?
	July	°811	101°9	81°8	91°2	97°8	91°9	59	3°27	S W, W & S E	?
	August	°872	99°0	79°3	89°9	96°3	89°2	65	3°87	S W	142
	September	29°071	100°9	74°1	90°3	98°6	87°5	52	0°74	W	157
	October	°253	95°1	62°4	84°3	92°2	78°8	52	0°38	W & N W	78
	November	°341	84°9	51°0	74°5	81°7	68°0	50	...	W, N W & S W	63
	December	°424	75°8	41°2	62°2	73°0	58°5	53	...	N W & W	74
	Year	°128	92°5	63°9	81°7	89°7	78°2	52	10°99	...	11 P.
Bikaneer.	January	29°299	68°9	48°6	59°8	65°6	58°8	25	0°18	N, S & S W	1 P.
	February	°242	74°6	53°7	66°9	71°7	64°2	23	0°20	S & Calm	1 P.
	March	°085	92°2	67°8	83°3	89°8	80°0	25	0°57	N, S & S W	149
	April	28°043	102°2	75°0	92°5	101°0	88°6	26	0°05	S, S W & N	172
	May	°839	107°9	80°1	97°9	106°5	94°0	25	...	S, N & S W	200
	June	°709	106°4	82°2	94°7	105°4	94°3	31	2°32	S, S W & N	276
	July	°672	103°0	82°8	94°1	101°6	92°9	36	1°94	S, & S W	215
	August	°735	96°1	79°6	88°9	93°8	87°9	45	7°12	S	193
	September	°946	99°6	78°6	90°0	98°4	89°1	41	...	S & S W	161
	October	29°104	94°3	72°8	87°1	92°7	83°6	41	0°23	W & S	114
	November	°192	83°9	62°1	76°4	81°7	73°0	36	...	N	91
	December	°273	75°3	53°7	66°0	73°5	64°5	32	...	N	63
	Year	°003	92°0	69°8	83°1	90°1	80°9	32	12°61	...	P.

1888

Station.	Month.	Pressure.		Temperature.						Wind.		
		8 A. M. mean.		Mean daily.		Mean max. min. m.		Mean 10 hrs.		Mean daily.		Total rainfall in inches.
		Mean	max. m.	Mean	min. m.	Mean	hrs.	Mean	hrs.	Mean	daily %.	
Jeypore.	January	28.617	69.7	44.7	60.0	67.7	57.2	52	1.06	E, N E & N	85	
	February	.567	76.3	51.9	66.8	73.0	64.1	52	0.94	N & N W	102	
	March	.453	93.1	62.5	83.5	91.0	77.8	37	0.15	N W & N	118	
	April	.327	101.2	69.4	91.6	99.1	85.3	27	0.44	N W	128	
	May	.237	106.6	77.8	97.5	104.5	92.2	25	...	N W	137	
	June	.130	105.7	81.1	95.0	103.4	93.4	38	0.31	N W	231	
	July	.111	93.9	78.1	86.6	90.6	86.0	72	11.74	N W	130	
	August	.164	86.9	74.6	80.7	83.7	80.8	86	16.55	N W	22	
	September	.347	93.9	72.2	86.2	92.1	83.1	59	1.11	N W	120	
	October	.506	91.1	64.7	84.4	87.9	77.9	50	1.25	N W	185	
	November	.569	82.7	54.6	75.8	79.7	68.7	52	0.68	Calm	13	
	December	.639	78.3	45.4	68.9	75.9	61.9	45	...	N W & W	67	
	Year	.389	90.0	64.7	81.5	87.5	77.4	50	34.23	...	116	
Sambhar.	January	28.781	69.5	42.9	56.3	66.3	56.2	58	0.48	N, N E, W & N W.	119	
	February	.731	75.9	51.0	64.2	72.9	63.5	60	0.73	N & N W	138	
	March	.613	90.6	62.4	80.2	89.1	76.5	40	1.14	N W	172	
	April	.491	98.3	71.9	87.6	96.5	85.1	32	0.47	W & N W	195	
	May	.399	104.2	78.7	93.2	102.4	91.5	24	...	W	227	
	June	.302	105.9	81.5	92.5	102.2	93.7	41	0.23	W	271	
	July	.268	96.0	78.5	86.4	91.8	87.3	66	4.39	W & Calm	229	
	August	.324	86.4	75.0	80.2	83.8	80.7	82	14.19	W	191	
	September	.515	93.2	73.7	84.5	91.2	83.5	57	0.44	W & N W	203	
	October	.674	91.0	63.5	81.7	88.9	77.3	46	0.17	N W & W	112	
	November	.743	81.3	53.6	7.4	79.5	67.5	48	0.44	N W	83	
	December	.814	76.0	43.4	61.5	74.3	59.7	48	...	W & N	76	
	Year	.555	89.0	64.7	78.3	86.6	76.9	50	22.68	...	168	
Ajmere.	January	28.432	68.3	42.3	60.5	67.3	55.3	52	0.47	S E, Calm & N E	38	
	February	.383	75.9	50.9	67.6	74.0	63.4	48	2.22	N W & N E	70	
	March	.277	91.9	63.1	82.3	90.0	77.5	37	0.05	W & N W	141	
	April	.162	99.7	72.5	89.6	97.7	86.1	33	...	W	217	
	May	.074	103.7	78.4	93.9	102.3	91.1	32	...	W	232	
	June	.27.979	102.4	80.9	90.6	101.2	91.7	49	1.16	W	287	
	July	.947	91.5	77.9	83.6	90.2	84.7	72	5.76	W & N W	215	
	August	.998	83.4	74.1	78.0	82.2	78.8	84	13.89	W	177	
	September	.28.187	90.6	72.8	83.0	89.2	81.7	60	0.02	W	171	
	October	.337	88.5	61.1	81.3	86.8	74.8	49	0.25	N W & S W	66	
	November	.400	79.2	51.2	71.7	78.3	65.2	59	0.60	N E, S W & N W	56	
	December	.465	75.7	42.9	65.3	74.7	59.3	51	...	N W, S W & S E	49	
	Year	.220	87.6	64.0	79.0	86.2	75.8	52	24.42	...	143	
Mount Abu.	January	26.138	59.8	48.2	55.8	58.0	54.0	57	1.82	S W, N E & W	96	
	February	.112	65.9	53.2	61.7	63.1	59.6	49	1.17	N E, W & S W	131	
	March	.094	78.7	63.3	73.9	76.7	71.0	35	...	W	157	
	April	.022	84.1	68.1	77.2	82.6	76.1	31	...	W	217	
	May	.25.950	87.7	70.1	81.1	86.3	78.9	30	...	W	234	
	June	.854	84.3	67.9	76.8	83.2	76.1	67	1.60	SW	256	
	July	.804	74.3	65.6	69.5	73.3	70.0	90	10.46	S W & W	283	
	August	.833	70.2	63.8	66.9	66.0	67.0	96	27.71	SW	227	
	September	.26.020	76.8	64.4	73.7	75.2	70.6	67	...	SW	173	
	October	.135	78.8	64.5	75.7	76.5	71.7	40	0.03	S W & W	93	
	November	.139	70.8	56.8	67.4	68.5	63.8	41	0.61	N E & S E	103	
	December	.188	69.2	53.3	66.4	66.1	61.3	36	...	N E & N	71	
	Year	.024	75.1	61.6	70.5	73.2	68.4	53	43.40	...	170	

1888.

Station.	Month.	PRESSURE.		TEMPERATURE.						WIND.		
		8 A.M. mean.	Mean daily.	Mean maximum.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	Mean daily humidity %.	Total rain fall in inches.	Precipitation direction.	Velocity in miles per day.
Deesa.	January . . .	29'553	80'1	52'9	71'0	78'2	66'5	44	1'16	N E, E & N	192	
	February . . .	'518	83'7	59'5	75'3	82'2	71'6	36	0'43	N E & N	221	
	March	'432	98'0	66'8	86'3	96'3	82'4	29	..	W	219	
	April	'317	103'8	72'0	91'2	102'0	87'9	36	..	W & S W	241	
	May	'224	107'1	76'3	93'4	105'4	91'7	33	..	S W & W	347	
	June	'115	103'7	80'8	91'8	102'3	92'3	49	0'87	S W	410	
	July	'091	93'4	78'3	85'8	91'2	85'9	67	3'88	S W	437	
	August	'139	80'2	75'8	82'3	86'9	82'5	74	10'30	S W	350	
	September . . .	'342	96'0	73'4	86'7	94'6	84'7	53	..	S W & W	202	
	October	'446	97'8	68'2	89'4	95'5	83'0	33	..	N E & E	166	
	November	'507	88'3	61'1	80'9	85'8	74'7	34	1'04	E & N E	233	
	December	'585	87'1	52'9	77'1	85'0	70'0	26	..	N E & N	195	
	Year	'356	94'0	68'2	84'3	92'1	81'1	43	17'68		268	
Indore.	January . . .	28'166	74'9	49'7	67'7	72'6	62'3	57	0'23	S E, N & E	67	
	February . . .	'126	81'3	54'9	73'4	79'3	68'1	53	1'57	N & S E	81	
	March	'055	93'1	62'4	85'9	90'7	77'8	33	..	N W & N	94	
	April	27'951	99'9	70'6	92'0	97'6	85'3	24	..	N W & W	172	
	May	'875	101'9	75'2	93'5	99'4	88'6	27	..	W & S W	150	
	June	'779	95'7	75'6	87'1	91'1	85'7	62	8'37	S W, W & N W	165	
	July	'772	83'4	72'4	78'3	81'5	77'9	81	7'72	W & S W	195	
	August	'827	81'4	71'1	76'4	79'1	76'3	83	2'87	W & S W	165	
	September . . .	'079	88'2	69'9	82'2	83'9	79'1	70	3'25	W & N W	108	
	October	28'108	89'1	62'5	84'5	85'4	75'8	50	1'46	N, S E, & E	43	
	November	'145	83'6	55'8	76'9	80'7	69'7	47	0'11	N, S E & N E	71	
	December	'213	80'6	46'2	72'7	78'0	63'4	39	..	N E, N E & S E	41	
	Year	'000	87'8	63'9	80'9	84'9	75'9	52	25'58		113	
Neemuch.	January . . .	28'389	73'6	47'2	62'8	72'0	60'4	50	0'91	E	151	
	February . . .	'352	99'8	53'5	69'2	77'7	76'7	58	0'38	N E & E	180	
	March	'266	94'8	63'1	83'7	92'4	79'0	36	..	W	220	
	April	'153	102'5	70'7	90'0	100'4	86'6	35	1'24	W	232	
	May	'066	105'4	75'6	91'8	103'0	90'5	37	..	W	259	
	June	27'968	102'2	78'6	89'4	100'1	90'4	53	0'47	W	305	
	July	'943	87'3	74'4	80'1	85'6	80'9	81	8'00	W	248	
	August	'997	82'6	71'8	76'6	80'6	77'2	87	8'32	W	?	
	September . . .	28'103	91'3	70'8	84'8	88'0	81'1	64	0'46	S W & N W	162	
	October	'333	91'4	65'0	85'9	88'6	78'2	49	0'26	Calm	85	
	November	'383	83'1	55'5	76'1	80'6	69'3	52	0'52	N E & E	104	
	December	'453	?	47'4	72'1	78'1	?	45	..	N E, E & Calm	84	
	Year	'208	?	64'5	80'2	87'3	?	54	20'56		?	
Delhi.	January . . .	29'355	68'2	46'4	57'1	65'5	57'3	61	0'93	W	67	
	February . . .	'273	72'5	52'8	64'8	70'0	62'7	59	1'37	N W & W	96	
	March	'149	89'8	64'7	80'7	88'1	77'3	44	0'64	W & N W	93	
	April	28'993	101'1	75'0	91'7	98'2	88'1	31	0'13	W & N W	101	
	May	'903	105'3	80'4	95'4	101'2	92'9	33	1'58	W	92	
	June	'797	104'8	83'6	94'2	102'0	94'2	44	2'31	W & N W	105	
	July	'799	94'2	80'8	88'0	92'1	87'5	73	8'81	S E	87	
	August	'848	91'1	78'8	84'9	89'3	85'0	81	7'22	S E	58	
	September . . .	29'029	91'4	75'2	84'3	89'5	81'3	69	8'78	W	47	
	October	'199	90'4	67'1	81'0	88'4	78'8	57	0'26	W	21	
	November	'289	87'1	57'1	7'6	84'7	72'1	56	0'20	S W	31	
	December	'383	75'1	45'3	59'9	73'4	60'2	52	..	W	30	
	Year	'085	89'2	67'3	79'5	86'9	78'3	55	32'23		69	

1889.

Station.	Month.	PRESSURE.		TEMPERATURE.						Mean humidity daily %.	Total rainfall in inches.	Prevailing direction.	Velocity in miles per day.
		8 A.M. mean.	Mean daily.	Mean maximum.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	Mean daily.				
Agra.	January	29°539	29°408	75°2	49°1	74°1	62°2	Daily.	58	0°35	N W	73	
	February	.506	.471	77°1	54°1	67°3	65°6		66	1°61	N W	98	
	March	.437	.380	93°0	64°7	81°9	78°9		42	0°11	N W	99	
	April	.264	.211	103°5	73°9	94°0	101°6		28	0°53	N W	22	
	May	.175	.122	107°9	80°2	98°2	105°9		26	0°10	N W	124	
	June	.018	28°959	103°7	85°6	95°8	101°0		49	2°56	N W & S W	150	
	July	.021	.980	94°2	80°8	88°2	90°2		75	12°18	N W & S W	117	
	August	.045	29°000	90°9	78°9	83°0	88°8		81	7 89	S E & N W	108	
	September	.198	.153	97°1	77°1	89°9	95°2		61	0°20	N W	97	
	October	.331	.283	93°9	64°7	86°2	91°8		40	0°20	N W	76	
	November	.447	.402	85°2	53°3	75°5	83°5		39	...	N W	74	
	December	.528	.483	80°2	48°1	67°4	78°6		41	...	N W	74	
	Year	.29° 2	.245	91°8	67°6	82°6	89°9		51	25°73	...	101	
Pachchadra.	January	29°699						8 A.M.	40	...	Calm	45	
	February	.665							33	...	Calm	65	
	March	.606							23	...	Calm	73	
	April	.450							20	0°06	Calm & S W	61	
	May	.300							30	2°37	Calm & S W	121	
	June	.201							71	0°61	S W	212	
	July	.191							0°80	S W	148		
	August	.241							93	7°24	S W	115	
	September	.399							87	...	Calm	45	
	October	.500							83	...	Calm	6	
	November	.637							77	...	Calm	22	
	December	.700							61	11°08	...	19	
	Year	29 471										77	
Siree.	January	29°413						8 A.M.	57°8	70	0°93	N W	96
	February	.366							61°8	84	1°24	S E & S W	120
	March	.304							74°8	67	0°21	N W	72
	April	.127							86°3	41	0°25	S W	144
	May	.050							89°6	38	1°42	S	96
	June	28 867							94°7	54	0°75	S	264
	July	.871							91°8	68	0°25	S W	216
	August	.927							88°2	79	0°86	S W	144
	September	.29°065							88°2	59	0°57	Calm & S W	144
	October	.210							76°2	46	...	Calm	96
	November	.322							65°8	62	...	Calm	96
	December	.388							60°8	67	...	Calm & N	96
	Year	29°159							78°0	61	18°48	...	132
Bikaner.	January	29°253						8 A.M.	60°0	34	0°08	N & Calm	78
	February	.219							64°6	19	0°53	N	112
	March	.172							78°1	10	0°62	S W	120
	April	.020							87°5	25	0°65	S W	136
	May	28°032							93°2	34	1°03	W & S E	173
	June	.757							96°1	42	0°40	S	224
	July	.748							92°2	52	2°99	S W	162
	August	.785							88°6	58	8°46	S W	156
	September	.947							89°2	53	0°08	S S W	151
	October	.29°082							80°7	35	...	S S W	109
	November	.187							70°0	37	...	S S W	97
	December	.280							64°8	44	...	S S W	78
	Year	29°032							80°4	37	14°84	...	133

1889.

Station.	Month.	Pressure.		Temperature.						Mean humidity daily %.	Total rainfall in inches.	Wind.	Velocity in miles per day.	
		8 A.M. mean.	Mean daily.	Mean maximum.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	Prevailing direction.					
Jeypore.	January	28° 623	28° 595	76° 4	48° 9	66° 9	74° 2	62° 7	Daily.	0° 64	E N W & N	86		
	February	593	561	77° 6	51° 9	68° 5	75° 9	64° 8		0° 47	N W	101		
	March	557	516	92° 5	62° 1	84° 0	90° 4	77° 3		0° 71	N W	101		
	April	407	365	100° 9	69° 3	92° 0	98° 3	85° 1		0° 21	N W & W	110		
	May	332	289	105° 9	76° 3	96° 7	103° 5	91° 1		0° 32	N W & W	132		
	June	174	133	100° 3	80° 4	91° 4	97° 3	90° 4		4° 26	W	162		
	July	171	137	94° 0	77° 9	87° 2	89° 7	86° 0		4° 55	W	100		
	August	190	158	88° 6	76° 0	82° 7	84° 4	82° 3		14° 54	W & N W	103		
	September	345	301	97° 6	72° 8	89° 4	94° 9	85° 2		0° 03	N W & W	84		
	October	459	428	93° 8	60° 3	86° 1	90° 7	77° 1		0° 05	N W & N E	78		
	November	561	531	86° 1	49° 7	76° 8	83° 9	67° 9		...	N W	78		
	December	627	596	81° 8	45° 9	71° 5	79° 4	63° 9		...	N W	72		
	Year	28° 420	384	91° 3	64° 3	82° 8	88° 6	77° 8		25° 78	...	100		
Sambhar.	January	28° 790		75° 1	45° 8				8 A.M.	60	0° 34	N E & Calm	120	
	February	750		75° 8	51° 4					71	1° 26	N	120	
	March	720		89° 9	66° 9					50	0° 34	Calm & N	120	
	April	568		98° 4	71° 3					39	0° 21	W.	163	
	May	492		102° 9	78° 2					37	1° 53	N W	192	
	June	340		100° 1	81° 0					61	2° 68	W	240	
	July	322		93° 7	78° 6					74	5° 07	W	168	
	August	346		87° 5	76° 7					85	12° 65	W	168	
	September	500		94° 4	73° 7					64	...	W	144	
	October	622		91° 4	59° 7					49	0° 01	Calm	96	
	November	727		82° 7	48° 6					51	...	Calm	48	
	December	790		78° 6	43° 8					59	...	Calm	48	
	Year	28° 581		89° 2	64° 2					58	24° 09	...	136	
Ajmere.	January	28° 444	28° 417	73° 8	47° 4	63° 0	72° 9	60° 6	8 A.M.	46	0° 62	N E & S W	70	
	February	412	389	76° 4	52° 0	64° 7	75° 6	64° 2		55	0° 34	N W & S W	92	
	March	387	350	91° 1	62° 2	79° 4	89° 3	76° 7		38	0° 57	N W & N E	79	
	April	238	204	99° 6	72° 6	89° 2	97° 8	86° 1		33	0° 15	W & N W	139	
	May	168	132	104° 0	80° 2	93° 8	101° 9	92° 1		35	1° 25	W & N W	184	
	June	17	27° 987	98° 8	81° 6	88° 7	96° 6	90° 2		57	3° 99	W	234	
	July	27° 998	966	92° 2	78° 8	84° 4	90° 4	85° 5		74	4° 00	W	164	
	August	28° 023	998	86° 2	76° 2	80° 3	84° 1	81° 2		83	12° 65	W	157	
	September	176	28° 139	93° 8	72° 9	84° 6	92° 8	83° 4		62	0° 20	W & N W	84	
	October	290	260	90° 7	57° 9	79° 4	89° 4	74° 3		45	1° 40	N E & W & Calm.	43	
	November	391	367	84° 1	46° 3	70° 1	82° 7	65° 2		42	...	Calm & W	33	
	December	458	428	80° 4	43° 8	64° 4	78° 6	62° 1		45	...	Calm & W	32	
	Year	28° 250	220	89° 3	64° 3	78° 5	87° 7	76° 8		51	25° 17	...	109	
Mount Abu.	January	26° 154		67° 7	53° 7				8 A.M.	49	0° 07	Calm & S W	48	
	February	131		68° 3	54° 7					44	0° 59	Calm & N W	144	
	March	158		78° 2	63° 6					35	...	Calm & N	120	
	April	553		86° 3	70° 7					27	...	N W	168	
	May	1019		87-4	71° 0					38	4° 87	W	192	
	June	25° 860		82° 3	68° 7					75° 6	75	13° 70	S W	312
	July	826		75° 2	66° 7					71° 0	95	9° 11	S W	216
	August	854		71° 1	64° 6					67° 9	99	29° 92	S W	216
	September	996		77° 4	65° 5					71° 5	71	0° 43	S W	144
	October	26° 070		78° 5	63° 3					71° 0	40	...	Calm & N	96
	November	142		73° 6	57° 0					65° 3	36	...	Calm & N	96
	December	183		71° 8	55° 5					63° 7	39	...	Calm	72
	Year	26° 038		76° 5	62° 9					69° 7	54	58° 69	...	152

1889.

Station.	Month.	PRESSURE.		TEMPERATURE.						WIND.		Velocity in miles per day
		S A.M. mean.	Mean daily.	Mean max- imum.	Mean mini- mum.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	Mean humidity per cent.	Total rainfall in inches.	Prevailing di- rection.	
Deesa.	January	29°597	29°541	85°5	55°6	75°1	83°3	70°6	30	0°10	N E N & W	222
	February	564	518	88°1	57°8	76°5	86°1	73°0	31	0°10	W & S W	222
	March	527	473	97°7	66°1	87°8	95°5	81°9	26	...	N W W &	207
	April	392	332	104°9	74°3	92°7	102°6	89°6	28	...	S W & W	224
	May	330	265	107°4	77°0	94°3	105°0	92°2	37	1°70	S W	283
	June	169	113	101°2	80°9	90°3	99°3	91°1	54	5°96	S W	450
	July	141	99	91°7	78°0	85°0	89°4	84°9	75	10°12	S W	287
	August	184	145	88°2	76°1	82°7	85°5	82°2	79	8°51	S W	237
	September	327	274	95°9	73°4	87°2	93°5	84°7	61	0°62	S W & N W	148
	October	433	374	97°6	63°2	89°0	95°3	80°4	36	...	E & S	159
	November	542	497	92°8	53°6	83°1	90°1	73°2	29	...	E & N E	159
	December	600	552	89°8	51°5	78°4	87°2	70°7	28	...	E & N E	183
	Year	29°400	349	95°1	67°3	85°2	92°7	81°2	43	27°01	...	232
Indore.	January	28°211	Not available.	83°9	52°3			68.1	54	...	Calm	72
	February	189	Not available.	85°0	53°7			69°4	44	...	Calm & N	72
	March	171	Not available.	94°7	62°1			78°4	30	0°02	E & N W	92
	April	1044	Not available.	101°0	70°7			85°9	26	0°18	N W	120
	May	27°984	Not available.	104°2	76°4			90°3	35	0°69	N W	144
	June	860	Not available.	95°0	75°9			85°5	68	5°01	S W	192
	July	843	Not available.	85°7	73°4			79°6	88	4°04	S W	120
	August	862	Not available.	80°9	71°9			76°4	93	10°95	S W	144
	September	994	Not available.	88°6	70°3			79°6	81	3°51	Calm & N	48
	October	28°083	Not available.	86°1	61°3			73°7	60	2°23	Calm	48
	November	177	Not available.	83°0	48°7			65°9	48	...	Calm	48
	December	238	Not available.	81°5	47°1			64°3	52	...	Calm	24
	Year	29°055	Not available.	89°1	63°7			76°4	57	26°63	...	94
Neemuch.	January	28°435	Not available.	80°7	52°1			66°4	55	0°08	Calm	120
	February	414	Not available.	82°8	53°8			68°3	48	0°45	Calm	96
	March	391	Not available.	93°3	63°4			78°4	30	...	Calm	48
	April	253	Not available.	101°7	72°9			87°3	43	0°01	Calm	96
	May	178	Not available.	104°4	76°4			90°4	40	1°76	S W	216
	June	128	Not available.	98°0	78°4			88°2	68	6°52	S W	288
	July	1007	Not available.	88°5	74°7			81°6	83	8°13	S W	192
	August	128	Not available.	83°5	73°2			78°4	90	15°66	Calm & S W	168
	September	170	Not available.	91°7	72°1			81°9	70	0°30	Calm	72
	October	277	Not available.	90°6	62°9			76°8	45	0°08	Calm	24
	November	381	Not available.	85°8	51°0			68°4	45	...	Calm	...
	December	441	Not available.	82°1	47°5			64°8	54	...	Calm	12
	Year	28°250	Not available.	90°3	64°9			77°6	57	32°99	...	111
Delhi.	January	29°357	Not available.	74°0	43°3			58°7	63	1°77	Calm & W	72
	February	319	Not available.	72°9	48°5			60°7	80	2°24	Calm & W	72
	March	254	Not available.	88°5	57°5			73°0	60	0°46	Calm & W	72
	April	1080	Not available.	100°1	72°3			86°2	39	0°07	W	72
	May	1000	Not available.	103°7	83°0			93°4	38	0°75	Calm & W	96
	June	28°847	Not available.	103°9	84°9			94°4	57	1°43	S E & W	288
	July	852	Not available.	93°9	81°0			87°5	81	8°38	Calm & W	72
	August	885	Not available.	90°1	79°3			84°7	85	13°61	Calm	48
	September	29°027	Not available.	94°8	76°6			85°7	71	0°17	W	48
	October	158	Not available.	93°0	64°9			79°0	50	...	Calm & W	48
	November	269	Not available.	84°4	54°5			69°5	40	...	Calm & W	48
	December	346	Not available.	78°5	49°0			63°8	51	...	W	48
	Year	29°116	Not available.	89°8	66°2			78°1	60	28°88	...	64

1890.

Station.	MONTH.	PRESSURE.		TEMPERATURE.						WIND.
		8 A.M. mean.	Mean daily.	Mean max- imum.	Mean mini- mum.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	Mean daily humidity %	
Agra.	January . . .	29°472	29°435	77°8	48°3	64°5	76°5	63°1	45	..
	February . . .	'471	'433	83°1	52°0	70°4	81°8	67°6	36	N W
	March . . .	'328	'278	90°1	63°4	80°1	88°2	76°8	38	96
	April . . .	'250	'191	103°6	74°1	93°2	101°9	88°9	26	98
	May . . .	'117	'049	109°8	82°8	100°1	108°4	96°3	24	120
	June . . .	28°086	28°922	102°3	84°7	94°5	100°6	93°5	51	136
	July . . .	'974	'939	89°9	78°6	85°3	87°8	84°3	85	131
	August . . .	29°105	29°066	90°6	77°2	85°8	87°7	83°9	82	88
	September . . .	'189	'144	93°8	76°0	87°6	90°8	85°0	72	111
	October . . .	'381	'323	92°1	65°8	83°7	90°2	79°0	52	82
	November . . .	'537	'484	84°5	54°3	73°5	82°3	69°4	48	55
	December . . .	'545	'492	76°1	51°4	65°6	74°0	63°7	60	89
	Year . . .	29°280	'230	91°1	67°4	82°0	89°2	79°3	52	103
Pachibhadra.	January . . .	29°647	Not available.		46°0	Not available.		8 A.M.	Daily	N W
	February . . .	'651	Not available.		48°4	Not available.		71	..	84
	March . . .	'513	Not available.		62°4	Not available.		70	..	70
	April . . .	'460	Not available.		72°4	Not available.		73	0°30	78
	May . . .	'338	Not available.		78°0	Not available.		83	..	132
	June . . .	'191	Not available.		81°3	Not available.		92	0°79	SW
	July . . .	'152	Not available.		78°7	Not available.		84	2°47	SW
	August . . .	'294	Not available.		75°6	Not available.		85	2°86	?
	September . . .	'397	Not available.		86°2	Not available.		88	0°36	SW
	October . . .	'555	Not available.		74°2	Not available.		81	..	S W & N E
	November . . .	'668	Not available.		66°4	Not available.		82	..	NE
	December . . .	'696	Not available.		?	Not available.		89	0°42	Calm & N E
	Year . . .	29°464	Not available.		68°3	Not available.		81	7°20	144
			Not available.			Not available.			..	87
Sarsa.	January . . .	29°340	Not available.		76°6	Not available.		8 A.M.	74	Calm & N W
	February . . .	'350	Not available.		79°6	Not available.		65	0°04	120
	March . . .	'200	Not available.		86°4	Not available.		64	0°23	144
	April . . .	'117	Not available.		69°5	Not available.		58	..	144
	May . . .	28°968	Not available.		108°1	Not available.		40	0°72	163
	June . . .	'845	Not available.		82°9	Not available.		57	4°06	192
	July . . .	'814	Not available.		80°5	Not available.		76	6°75	144
	August . . .	'960	Not available.		78°8	Not available.		75	1°02	SE & S W
	September . . .	29°056	Not available.		75°0	Not available.		64	..	192
	October . . .	'229	Not available.		62°1	Not available.		62	..	SW
	November . . .	'387	Not available.		51°1	Not available.		72	..	168
	December . . .	'406	Not available.		47°2	Not available.		88	0°64	96
	Year . . .	29°139	Not available.		64°2	Not available.		66	13°46	140
Bikaner.	January . . .	20°236	Not available.		75°2	Not available.		8 A.M.	43	W
	February . . .	'236	Not available.		77°7	Not available.		61	0°11	87
	March . . .	'078	Not available.		86°7	Not available.		45	0°13	132
	April . . .	'012	Not available.		99°7	Not available.		45	0°07	148
	May . . .	28°870	Not available.		106°9	Not available.		61	..	214
	June . . .	'759	Not available.		85°9	Not available.		68	1°23	247
	July . . .	'759	Not available.		82°0	Not available.		75	2°80	255
	August . . .	'921	Not available.		79°9	Not available.		76	1°07	190
	September . . .	29°024	Not available.		80°3	Not available.		75	..	157
	October . . .	?	Not available.		72°9	Not available.		64	0°55	125
	November . . .	?	Not available.		60°4	Not available.		59	..	102
	December . . .	?	Not available.		52°0	Not available.		77	0°63	95
	Year . . .	29°986	Not available.		70°5	Not available.		62	6°68	152

1890.

Station.	Month.	PRESSURE.		TEMPERATURE.						WIND.	
		8 A.M. mean.	Mean daily.	Mean max- imum.	Mean mini- mum.	Me a n 1 o hrs.	Me a n 1 6 hrs.	Mean daily.	Mean humidity daily %	Total rainfall in in- ches.	P revailing di- rection.
Jeyore.	January	28°571	28°545	79°7	46°8	69°4	77°4	63°3	38	..	N W
	February	.576	.545	82°7	51°7	73°0	80°4	67°2	33	..	N W
	March	.442	.409	87°9	62°1	70°2	85°7	75°0	41	1°67	W
	April	.394	.348	101°4	71°1	92°7	99°0	86°3	28	0°03	W
	May	.268	.223	107°5	78°6	97°5	104°5	93°1	26	0°02	W
	June	.152	.105	101°6	80°6	92°4	97°8	91°1	52	2°60	W
	July	.122	.087	100°5	76°9	83°9	87°1	83°7	75	8°06	W
	August	.253	.221	90°1	74°0	82°8	86°6	82°0	76	6°66	W
	September	.337	.294	95°7	72°1	87°0	92°4	83°9	61	3°49	N W
	October	.505	.458	93°8	63°4	85°7	90°3	78°6	44	0°14	N W
	November	.627	.587	85°2	55°2	77°6	81°6	70°2	43	..	E & S E
	December	.619	.585	75°9	50°3	66°8	72°4	63°1	58	0°22	N W
	Year	.28°406	.367	91°0	65°2	82°3	87°9	78°7	48	22°89	...
Sambhar.	January	28°731		76°8	46°7			Daily.			
	February	.735		79°8	49°4						
	March	.598		86°6	60°1						
	April	.555		99°3	70°9						
	May	.429		105°5	80°4						
	June	.311		101°6	81°8						
	July	.281		91°6	77°5						
	August	.406		89°0	75°0						
	September	.402		94°6	74°6						
	October	.657		93°6	63°8						
	November	.790		84°5	52°7						
	December	.779		73°7	48°3						
	Year	.28°504		89°7	65°1						
Ajmere.	January	28°405	28°374	79°0	45°3	65°3	77°2	62°2	43	..	N W, S W & Calm.
	February	.409	.379	81°6	51°1	70°5	79°7	66°4	36	..	N E
	March	.1272	.236	88°3	63°0	78°8	86°2	75°0	38	0°15	W
	April	.1237	.182	100°1	73°9	91°4	98°2	87°1	29	..	W
	May	.1116	.072	104°2	80°4	94°4	101°9	92°3	33	1°25	W
	June	.27°992	.27°953	99°9	81°7	90°3	98°6	90°8	58	1°77	W
	July	.948	.913	89°4	76°9	82°3	87°8	83°2	81	4°38	W
	August	.28°085	.28°053	87°0	74°7	80°2	85°1	80°9	75	4°14	W
	September	.173	.127	94°3	75°1	85°3	92°0	84°7	56	1°48	W
	October	.332	.285	93°2	65°2	84°7	90°8	79°1	43	0°37	W
	November	.451	.409	84°3	54°1	75°3	82°0	66°2	51	0°10	S E
	December	.448	.412	73°4	50°2	63°5	71°7	61°7	62	0°01	Calm
	Year	.28°239	.200	89°6	66°0	80°2	87°6	77°8	50	14°55	..
Mount Abu.	January	.26°130	?	?	?	?	?	?	?	?	?
	February	.144	.26°137	71°5	56°5	67°0	69°2	64°0	30	..	W
	March	.061	.044	74°6	60°3	60°0	72°4	67°5	38	0°17	W
	April	.064	.041	85°4	68°8	79°5	83°2	77°1	32	0°54	W
	May	.25°974	.25°053	88°0	70°6	81°1	86°4	79°3	39	..	W
	June	.851	.829	82°3	67°3	75°7	79°9	74°8	75	5°51	S W
	July	.800	.784	71°0	64°8	67°4	70°0	67°9	95	28°35	S W
	August	.903	.890	69°0	62°6	65°4	67°6	65°8	94	27°87	S W
	September	.996	.979	74°9	63°8	71°9	73°2	69°4	73	2°17	W
	October	.26°135	.26°107	78°2	64°3	74°6	75°9	71°3	42	..	N E & N W
	November	.187	.167	73°3	59°1	70°1	70°8	66°2	37	..	S E & N E
	December	.156	.145	66°7	52°5	62°7	63°1	59°6	49	0°02	S W & W
	Year	.26°033	?	?	?	?	?	?	?	64°63	..

1890.

Station.	Month.	PRESSURE.		TEMPERATURE.						WIND.		
		S.A.M. mean.	Mean daily.	Mean max.	Mean min.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	Mean humidity daily %.	Total rainfall in inches.	Precipitation direction.	Velocity in miles per day.
Deesa.	January	29°547	29°506	88°2	51°5	77°0	86°0	69°9	29	...	?	?
	February	.554	.508	90°5	57°2	80°3	88°4	73°9	25	...	W & N	202
	March	.446	.390	94°7	65°7	84°0	91°0	80°2	33	0°01	S W	213
	April	.379	.315	105°6	72°1	93°7	102°3	88°9	29	0°07	S SW	231
	May	.292	.221	107°3	76°9	92°4	105°6	92°1	39	...	S S	326
	June	.146	.090	101°4	80°3	90°7	90°2	89°9	54	1°42	S S	397
	July	.116	.078	88°9	76°7	82°8	87°0	82°8	?	5°60	S S	321
	August	.248	.202	86°3	73°6	80°3	84°1	80°0	78	5°55	S	251
	September	.338	.283	94°5	72°1	85°3	93°0	83°3	62	1°09	W	176
	October	.480	.416	98°5	66°0	80°4	96°1	82°3	40	...	N W	159
	November	.571	.515	92°4	58°4	84°6	80°9	75°4	32	...	E & N E	171
	December	.588	.527	84°7	54°1	74°9	82°0	69°4	43	0°02	N E	213
	Year	29°392	.338	94°4	67°1	84°6	92°1	80°8	?	14°76
Indore.	January	28°186	...	81°7	48°2	65°0	49	...	Calm	48
	February	.176	...	86°5	54°1	...	70°3	39	...	Calm	48	
	March	.077	...	91°6	62°9	...	77°3	39	...	Calm & N E	72	
	April	.037	...	100°6	71°3	...	86°0	26	0°04	Calm & W	48	
	May	27°956	...	104°1	76°6	...	90°4	40	...	N W	144	
	June	.833	...	92°2	74°8	...	83°5	77	5°47	Calm & S W	120	
	July	.818	...	82°2	71°7	...	77°0	90	8°07	S W	144	
	August	.930	...	81°8	69°8	...	75°8	91	8°49	W	96	
	September	.977	...	86°2	69°5	...	77°9	83	7°34	N W	72	
	October	28°135	...	88°5	61°3	...	74°9	54	0°18	Calm	24	
	November	.221	...	84°7	54°6	...	69°7	50	0°03	Calm	24	
	December	.220	...	81°9	54°2	...	68°1	64	...	Calm	24	
	Year	28°047	...	88°5	64°1	...	77°3	59	29°62	...	71	
Neemuch.	January	28°380	...	81°4	48°6	65°0	61	...	Calm	96
	February	.379	...	84°4	54°2	...	69°3	44	...	N W	144	
	March	.264	...	90°3	64°5	...	77°4	41	...	Calm & N W	192	
	April	.227	...	100°7	72°4	...	86°6	28	0°04	S W	288	
	May	.121	...	104°6	77°6	...	91°1	47	0°01	S W	360	
	June	.033	...	97°5	77°0	...	87°3	71	2°31	S W	408	
	July	.040	...	84°1	73°0	...	78°6	86	11°16	S W	288	
	August	.144	...	83°6	71°1	...	77°4	85	2°43	W	216	
	September	.152	...	89°9	70°2	...	80°1	73	3°18	Calm & S W	96	
	October	.314	...	91°3	63°5	...	77°4	52	0°76	Calm & E	96	
	November	.414	...	85°2	56°7	...	71°0	49	...	N E	48	
	December	.412	...	79°7	51°8	...	65°8	64	...	...	202
	Year	28°240	...	89°4	65°0	...	77°2	58	19°80	...	...
Delhi.	January	29°302	...	75°9	48°4	62°2	59	0°35	W & Calm	24
	February	.295	...	79°7	53°2	...	66°5	47	...	W & Calm	72	
	March	.168	...	86°5	62°0	...	74°2	52	0°57	N	72	
	April	.008	...	101°1	74°3	...	87°7	33	0°84	S W	66	
	May	28°942	...	105°9	80°6	...	93°3	36	0°52	W	96	
	June	.706	...	103°2	81°6	...	92°4	56	1°67	N W & Calm	48	
	July	.756	...	91°7	79°5	...	85°6	82	13°85	Calm & S W	48	
	August	.895	...	91°1	78°2	...	84°6	78	8°08	Calm & W	48	
	September	.997	...	93°7	76°8	...	85°3	68	2°23	Calm & W	48	
	October	29°188	...	91°6	68°6	...	80°1	57	0°01	Calm & W	48	
	November	.350	...	83°1	56°4	...	69°8	50	...	Calm & W	72	
	December	.351	...	72°5	50°6	...	61°6	73	0°36	W	96	
	Year	29°095	...	89°7	67°5	...	78°6	58	29°38	...	64	

1891.

	Station.	MONTH.	PRESSURE.		TEMPERATURE.						Mean humidity daily %	Total rainfall in inches.	Prevailing direction.	Wind.	
			8 M.A. mean.	Mean daily.	Mean maximum.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	Mean daily.					
Agra.		January	29'550	29'509	73'1	47'8	60'7	71'9	60'5	55	0'84	NW	103		
		February	'514	'479	76'1	50'0	64'0	75'2	63'1	43	...	NW	110		
		March	'415	'375	82'9	58'5	73'3	81'6	70'7	47	1'90	NW	112		
		April	'292	'241	101'3	71'8	92.3	99'7	86'6	27	0'02	NW	122		
		May	'170	'109	106'2	78'9	96.7	103'9	92'6	30	0'08	NW	125		
		June	'032	28'983	108'4	84'0	99.1	105'8	96'2	34	2'04	NW	173		
		July	28'959	'922	100'2	83'0	98.1	96'6	91'6	59	4'11	SE	174		
		August	29'086	29'053	89'3	77'5	84'7	87'0	83'4	81	8'73	NW	98		
		September	'181	'139	88'2	76'5	84'0	85'3	82'4	84	14'64	NW	95		
		October	'405	'364	88'4	67'2	82'3	87'1	77'8	63	0'97	NW	75		
		November	'497	'621	83'6	56'1	75'3	82'3	69'9	53	...	NW	58		
		December	'602	'558	75'3	47'8	65'3	74'7	61'6	55	...	NW	50		
		Year	'309	'265	89'5	66'6	80'9	87.6	78'1	53	33'33	...		108	
Pachbhadra.		January	29'723		P	47'4				8 A. M.	?	Calm	120		
		February	'704		P	?					83	NE	?		
		March	P		P	?					...	P	?		
		April	'440		102'9	68'0					85'9	45	Calm	168	
		May	'346		106'2	77'6					91'9	43	SW	240	
		June	'265		107'8	80'6					94'1	65	SW	360	
		July	'126		101'3	80'5					90'7	70	SW	240	
		August	'256		95'3	77'8					86'6	65	SW	240	
		September	'373		99'4	76'7					88'1	63	SW	?	
		October	'572		98'8	66'1					82'5	39	Calm	P	
		November	'679		91'6	53'3					72'5	28	NE	P	
		December	'758		83'9	45'3					64'7	35	Calm	?	96
Sirsia.		January	29'412			67'3	43'2			8 A. M.	?	W & Calm	96		
		February	'373			69'8	45'5				57'7	78	Calm & N	120	
		March	'277			79'8	53'2				66'5	72	N & Calm	141	
		April	'164			98'5	65'9				82'2	54	N, W & NW	144	
		May	'033		104'1	74'4					89'3	51	N, NW & W	144	
		June	28'883		110'6	82'8					96'7	46	W & SW	216	
		July	'817		104'8	84'6					94'7	57	W	240	
		August	'937		99'6	80'9					90'3	71	SW	192	
		September	29'053		98'4	78'4					88'4	76	E	144	
		October	'255		94'5	65'1					79'8	74	S	120	
		November	'352		87'5	52'8					70'2	74	W	96	
		December	'459		77'3	42'7					66'0	76	Calm	48	
		Year	'168		91'0	64'1					77'6	69	...	139	
Bikaneer.		January	28'768			68'5	50'5			8 A. M.	?	N & NW	96		
		February	'985			70'3	50'9				50'5	70	N, W & NW	120	
		March	29'243			80'1	59'1				60'6	53	NE & NW	120	
		April	'136			98'1	73'7				69'6	56	NW, N & NE	144	
		May	'125			103'1	80'4				85'9	51	SW	144	
		June	'094			109'3	84'4				91'7	45	0'06	240	
		July	'069			102'8	84'5				96'9	42	0'02	240	
		August	'140			99'0	81'9				93'7	55	2'58	168	
		September	'081			99'3	82'5				90'5	58	0'91	120	
		October	'003			95'1	72'8				90'9	55	0'71	72	
		November	28'926			87'1	63'0				84'0	41	...	96	
		December	'860			77'3	51'1				75'1	37	...	151	
		Year	29'036			90'8	69'6				64'2	43	NE	72	

1891.

Station.	Month.	PRESSURE.		TEMPERATURE.						WIND.		
		8 A.M. mean.	Mean daily.	Mean maxr. mum.	Mean min- mum.	Mean 10 hrs.	Mean 16 hrs.	Daily.	Mean humidity daily %	Total rainfall in inches.	Prevailing direction.	
Jeypore.	January . . .	28°630	28°602	72°8	47°1	63°5	70°5	60°0	53	0°80	NW 72	
	February . . .	601	569	75°9	47°6	66°3	73°8	61°8	39	...	NW 86	
	March . . .	516	480	82°8	57°1	74°1	80°5	70°0	41	1°44	NW 91	
	April . . .	426	384	99°8	60°5	91°2	97°4	84°7	28	0°04	NW 92	
	May . . .	314	270	104°1	74°8	94°8	100°5	89°5	34	0°56	W 113	
	June . . .	200	994	107°5	82°1	97°3	104°7	94°8	34	0°38	W 215	
	July . . .	111	702	99°1	80°8	80°7	96°1	90°0	57	6°46	W 165	
	August . . .	228	198	92°8	76°3	84°4	90°1	84°6	69	3°06	W 121	
	September . . .	320	280	90°8	74°5	84°4	86°6	82°7	72	6°79	NW 85	
	October . . .	520	480	91°8	65°4	84°0	80°1	78°6	49	0°69	61	
	November . . .	604	565	86°7	52°7	78°3	83°7	69°7	41	...	NW 49	
	December . . .	685	654	79°7	48°0	70°4	76°7	63°9	39	...	NW & SW 46	
	Year . . .	430	392	90°3	64°7	81°5	87°5	77°5	46	20°22	...	
Sambhar.	January . . .	28°789	Not available.	71°1	45°0	Not available.	58°0	71	0°97	Calm	960	
	February . . .	761	73°6	46°2	68°5	59°9	51	...	Calm & N	120		
	March . . .	670	82°0	55°0	83°4	52	0°66	...	Calm	168		
	April . . .	587	98°4	68°3	89°7	32	0°04	...	Calm	168		
	May . . .	474	102°7	76°6	95°1	39	0°25	...	W & NW	216		
	June . . .	354	105°8	84°3	85°2	48	0°70	...	W	408		
	July . . .	265	98°8	81°8	90°3	64	3°83	...	W	312		
	August . . .	387	93°0	77°3	85°2	73	3°79	...	W	240		
	September . . .	478	92°4	76°0	84°2	74	2°10	...	W & Calm	192		
	October . . .	668	92°1	64°2	78°2	59	0°33	...	Calm	120		
	November . . .	758	85°5	52°0	68°8	56	...	...	Calm	72	
	December . . .	842	78°2	44°1	61°2	58	...	...	Calm	72	
	Year . . .	386	89°5	64°2	76°9	56	12°67	...	...	...	182
Ajmere.	January . . .	28°455	28°427	71°6	46°3	60°6	69°9	59°0	59	0°97	NW & Calm	40
	February . . .	434	405	74°8	48°7	64°2	73°2	61°8	43	...	W	85
	March . . .	351	310	81°9	57°7	73°7	80°1	69°8	52	0°97	NE, SW & Calm	77
	April . . .	265	217	98°5	70°0	90°1	96°3	84°3	40	0°25	W	118
	May . . .	157	113	102°9	79°3	93°7	100°1	91°1	44	0°33	W	181
	June . . .	049	010	104°7	83°5	93°5	103°0	94°1	47	0°10	W	336
	July . . .	27°945	27°905	95°6	79°8	86°5	87°2	87°7	66	3°77	W	259
	August . . .	28°067	28°027	92°4	76°4	83°4	90°6	84°4	69	1°22	W	240
	September . . .	158	110	93°7	77°1	85°4	91°8	85°4	65	1°20	W	195
	October . . .	346	300	94°2	66°3	85°0	92°2	80°3	48	0°12	W	100
	November . . .	439	399	86°5	52°6	77°3	84°6	69°6	53	...	NE	48
	December . . .	512	473	79°3	46°8	67°9	77°5	63°1	61?	...	S	38
	Year . . .	348	225	89°7	?	80°2	87°7	?	54	8°93	...	143
Mount Abu.	January . . .	26°158	26°137	64°6	50°1	60°7	61°4	57°4	48	1°14	NE 103	
	February . . .	145	125	64°7	50°6	60°5	62°6	57°7	36	...	N & NE 154	
	March . . .	092	069	70°0	56°0	65°3	68°0	63°0	38	0°66	NE 157	
	April . . .	075	049	84°1	68°0	78°8	82°1	76°1	28	...	W 168	
	May . . .	001	25°976	87°1	70°9	81°6	85°6	79°0	37	0°11	W 180	
	June . . .	25°924	909	86°2	68°4	77°5	85°2	77°3	56	1°52	SW 284	
	July . . .	807	791	77°5	65°9	71°0	76°4	71°7	83	26°00	SW 268	
	August . . .	800	860	72°5	64°0	68°4	71°6	68°3	88	10°31	W & SW 234	
	September . . .	983	961	75°8	64°5	71°3	74°1	70°2	80	2°28	W 205	
	October . . .	26°143	26°116	78°8	65°3	74°6	77°0	72°1	41	0°02	W, NW & N 122	
	November . . .	280	159	74°6	58°9	71°7	72°2	66°8	33	...	NE 87	
	December . . .	218	194	70°2	54°3	67°1	67°4	62°3	34	...	NW 63	
	Year . . .	060	030	75°5	61°4	70°7	72°0	68°5	50	42°04	...	169

1891.

Station.	Month.	PRESSURE.		TEMPERATURE.				WIND.			
		8 A.M. mean.		Mean daily.		Mean maximum.		Mean minimum.			
		Mean daily.	Mean maximum.	Mean maximum.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	Mean humidity daily %.	Total rainfall in inches.	Prevailing direction.
Deesa.	January . . .	29'607	29'555	83'5	51'9	72'7	81'4	67'7	Daily. 35	0'59	NE NE, W & N W 220
	February . . .	'595	'546	85'3	53'6	74'5	83'3	69'5	30	..	N & W 218
	March . . .	'498	'448	91'2	61'2	82'1	88'9	76'2	25	0'09	SW 217
	April . . .	'408	'355	104'2	71'7	92'1	101'6	88'0	27	N 219	
	May . . .	'311	'254	107'7	78'9	95'2	106'0	93'3	36	..	281
	June . . .	'235	'181	105'9	81'1	93'0	104'5	93'5	48	..	462
	July . . .	'112	'065	9'9	78'8	86'9	94'8	87'0	61	8'57	NW 398
	August . . .	'233	'188	90'7	75'8	83'4	88'9	83'3	71	2'42	NW 321
	September . . .	'318	'265	96'4	76'8	86'9	93'1	86'6	61	1'57	W 249
	October . . .	'492	'433	99'6	68'6	90'4	97'4	84'1	38	..	W 177
	November . . .	'569	'507	95'1	58'4	86'4	92'7	76'8	26	..	E & NE 167
	December . . .	'645	'594	89'5	54'3	79'5	86'9	71'0	28	..	E 185
	Year . . .	'419	'365	95'5	67'6	85'3	93'3	81'6	40	13'24	.. 260
Indore.	January . . .	28'230		Not available.	79'8	48'5		8 A.M. 64'2	55	..	Calm 48
	February . . .	'211			81'1	50'3		65'7	42	..	Calm 48
	March . . .	'123			88'4	58'2		73'4	34	..	Calm 48
	April . . .	'065			100'8	70'2		85'5	31	0'08	N W & Calm 72
	May . . .	27'061			101'9	75'5		88'7	38	..	W 96
	June . . .	'897			99'0	77'4		88'2	62	2'61	W 216
	July . . .	'789			86'9	72'8		79'9	85	7'46	W 168
	August . . .	'896			81'0	70'6		75'8	91	8'54	W 120
	September . . .	'953			82'5	70'0		76'3	89	8'92	W & NW 120
	October . . .	28'140			86'7	62'6		74'7	66	0'72	Calm 48
	November . . .	'200			82'8	50'0		66'4	48	..	Calm 48
	December . . .	'270			79'5	45'4		62'5	48	..	Calm 48
	Year . . .	'061			87'5	62'6		75'1	55	28'33	.. 91
Neemuch.	January . . .	28'425		Not available.	77'0	47'8		62'4	62	2'82	N 144
	February . . .	'406			77'8	50'5		64'2	45	..	Calm & N E 192
	March . . .	'315			85'0	58'0		71'6	43	0'30	N W, & Calm 168
	April . . .	'241			99'3	70'7		85'0	45	0'05	SW 192
	May . . .	'146			102'6	78'0		90'3	54	..	SW 240
	June . . .	'050			102'7	79'6		91'2	65	..	SW 408
	July . . .	27'949			92'6	75'3		84'0	81	6'20	SW 264
	August . . .	28'058			85'4	72'8		79'6	85	9'73	W & SW 312
	September . . .	'134			87'4	72'1		79'7	85	3'07	W 288
	October . . .	'330			89'9	65'1		77'5	62	0'27	SW & W 168
	November . . .	'406			85'2	53'2		69'2	51	..	Calm 120
	December . . .	'473			79'7	49'0		64'4	49	..	E 120
	Year . . .	'378			88'7	64'3		76'6	60	23'34	.. 218
Delhi.	January . . .	29'363		Not available.	60'7	47'8		58'7	75	1'20	W 120
	February . . .	'334			71'4	49'6		60'5	63	0'14	W 120
	March . . .	'231			79'9	58'5		69'2	62	0'98	W 96
	April . . .	'100			97'3	71'8		84'5	44	0'30	W 96
	May . . .	28'985			100'1	78'3		89'2	43	1'56	Calm 72
	June . . .	'854			105'1	83'0		94'1	48	0'78	W 120
	July . . .	'683			100'5	84'3		92'4	59	4'90	W, E & SE 48
	August . . .	'904			87'6	78'2		82'9	86	18'40	Calm 72
	September . . .	29'014			88'4	77'5		82'9	85	6'68	Calm 48
	October . . .	'221			86'1	68'6		77'4	71	0'46	Calm 48
	November . . .	'305			80'3	58'2		69'3	65	0'10	Calm 24
	December . . .	'406			72'1	48'0		60'1	64	..	Calm 24
	Year . . .	'126			86'5	67'0		76'7	64	35'50	.. 74

1892.

Station.	Month.	PRESSURE.		TEMPERATURE.						WIND.			
		8 A.M. mean.		Mean daily.		Mean maximum.		Mean minimum.		Mean to hrs.		Mean 16 hrs.	
		Mean	maxi-	Mean	mini-	Mean	maxi-	Mean	mini-	Mean	humidity daily %.	Total rainfall in inches.	Prevailing direction.	Velocity in miles per day.
Agra.	January	29.545	29.505	75.8	50.6	63.7	73.9	63.2	62	Daily.	0.68	N W	75
	February	40.8	37.0	81.2	55.6	69.6	79.4	68.4	53		0.14	N W	104
	March	28.9	23.9	96.7	64.7	85.1	95.2	80.7	32		...	N W	109
	April	18.4	12.8	108.4	78.3	98.4	106.2	93.4	34		...	N W	124
	May	10.5	4.03	108.6	84.5	99.8	105.4	96.6	28		0.86	N W	160
	June	0.36	28.979	104.6	85.7	96.9	101.4	95.2	42		0.56	N W	165
	July	28.963	9.17	93.2	80.5	87.2	89.2	86.9	76		9.41	S E	130
	August	29.077	29.039	80.0	78.4	85.2	84.8	83.7	83		6.06	Variable.	60
	September	16.1	11.2	89.7	77.3	85.4	86.7	83.5	79	Daily.	3.29	N E, S E & N W	103
	October	36.7	31.5	90.8	65.7	83.6	89.0	78.3	50		...	N W	72
	November	47.2	42.7	84.2	54.2	74.8	82.0	69.2	41		...	N W	77
	December	58.6	54.2	74.6	47.8	64.3	72.2	61.2	51		0.81	N W	75
	Year	26.6	21.8	91.4	68.6	82.8	88.8	80.0	53		21.81	...	105
Pachbhadra.	January	29.682	Not available.	80.5	48.6	64.6	8 A.M.	60	0.39	Calm	144		
	February	58.2	Not available.	86.3	52.1	69.2		44	...	Calm	120		
	March	49.2	Not available.	99.3	59.5	79.4		32	...	Calm	144		
	April	38.6	Not available.	109.7	72.3	91.0		36	...	Calm & S W	216		
	May	31.7	Not available.	104.0	77.5	90.8		71	2.10	S W	384		
	June	22.8	Not available.	105.5	81.0	93.3		67	1.03	S W & Calm	312		
	July	12.3	Not available.	98.5	80.9	89.7		72	3.43	Calm	?		
	August	24.7	Not available.	91.5	77.3	84.4		80	8.61	Calm & S W	288		
	September	31.0	Not available.	94.1	75.2	84.7		79	2.15	Calm	192		
	October	49.1	Not available.	96.3	63.1	79.7		56	...	Calm	120		
	November	63.5	Not available.	89.5	50.3	69.9		47	...	Calm?	48		
	December	73.0	Not available.	80.4	47.1	63.8		57	0.38	Calm	192		
	Year	43.6	Not available.	94.6	65.4	80.0		58	18.09	...	?	?	
Sirsia.	January	29.409	Not available.	73.5	44.9	59.2	8 A.M.	78	0.77	Calm & E	96		
	February	27.2	Not available.	78.0	50.2	64.1		73	0.10	E & S	120		
	March	15.4	Not available.	95.3	59.6	77.5		61	...	S	168		
	April	0.40	Not available.	108.8	73.0	90.9		32	...	W	168		
	May	28.943	Not available.	108.0	80.8	94.4		42	0.07	W	216		
	June	88.9	Not available.	106.9	84.4	95.7		49	1.12	S E & W	192		
	July	81.6	Not available.	99.6	82.8	91.2		72	7.77	S E & W	192		
	August	92.1	Not available.	93.5	78.9	86.2		87	8.13	S E	120		
	September	29.026	Not available.	93.0	76.3	84.7		85	4.32	E, W & Calm	72		
	October	21.6	Not available.	94.0	61.5	77.8		60	...	Calm	72		
	November	32.4	Not available.	84.7	49.1	66.9		61	...	Calm	24		
	December	44.2	Not available.	74.1	42.1	58.1		70	0.63	Calm	72		
	Year	12.1	Not available.	91.6	65.8	78.5		64	23.81	...	127		
Bikaneer.	January	29.308	Not available.	73.4	51.8	62.6	8 A.M.	51	0.42	N E	120		
	February	16.1	Not available.	79.0	55.2	67.1		44	0.01	S E	120		
	March	0.66	Not available.	94.4	67.7	81.1		21	...	S W	144		
	April	28.977	Not available.	105.5	79.7	92.6		26	...	S W	168		
	May	88.5	Not available.	105.8	83.2	94.5		44	0.09	S W	240		
	June	81.6	Not available.	105.9	85.1	95.5		49	3.01	S W	216		
	July	72.3	Not available.	100.1	83.3	91.7		63	7.27	S W & S	120		
	August	82.0	Not available.	93.9	79.9	86.9		72	2.96	S W	168		
	September	92.4	Not available.	95.6	77.5	86.6		71	3.45	S W	144		
	October	29.134	Not available.	93.9	68.7	81.3		48	0.14	S W	96		
	November	2.43	Not available.	84.2	58.3	71.3		41	...	S W	96		
	December	35.0	Not available.	72.6	48.3	60.5		57	1.50	NE, S W & N	72		
	Year	0.35	Not available.	92.0	69.9	81.0		49	18.85	...	142		

1892.

Station.	Month.	PRESSURE.		TEMPERATURE.						WIND.	
		8 A.M. mean.	Mean daily.	Mean maximum.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	Mean humidity daily %.	Total rainfall in inches.	Prevailing direction.
											Velocity in miles per day
Jeyore.	January	28°620	28°594	75°9	52°3	67°3	73°7	64°1	Daily 53	2°57	E
	February	510	473	81°6	55°1	72°1	79°5	68°4	40	0°10	N W
	March	432	392	96°0	62°2	85°9	94°0	79°1	24	...	N W
	April	351	299	106°6	74°0	97°4	104°2	90°3	21	...	W
	May	272	225	105°1	77°7	94°9	102°8	91°4	32	0°81	W
	June	195	150	103°4	80°7	94°3	99°4	92°1	43	3°79	W
	July	111	97	93°9	79°0	86°7	89°3	86°5	71	3°06	W & N W
	August	217	185	88°6	75°6	82°7	83°9	82°1	83	21°83	N W
	September	291	249	89°6	74°2	82°4	86°3	81°9	76	12°06	N W
	October	493	451	92°1	63°0	85°2	88°9	77°6	45	...	N W
	November	577	542	84°8	53°4	77°1	81°1	69°1	40	0°02	N W
	December	661	631	75°6	48°8	67°1	72°5	62°2	44	0°13	E & N W
	Year	395	356	91°1	66°3	82°8	88°0	78°7	48	55°27	...
Sambhar.	January	28°785	Not available.	75°3	47°9			61°6	8A.M. 69	0°83	Calm
	February	667		80°8	51°6			66°2	60	0°02	Calm
	March	588		94°1	60°7			77°4	29	...	Calm
	April	509		105°0	75°3			90°2	23	...	W
	May	428		104°0	80°6			92°3	45	0°60	W
	June	349		102°5	83°0			92°8	51	1°69	W
	July	264		95°2	79°5			87°4	74	1°50	W
	August	369		87°2	76°1			81°7	86	12°24	W
	September	443		88°3	74°6			81°5	84	13°98	W
	October	651		89°8	62°8			76°3	60	...	W
	November	734		82°7	50°6			66°7	60	...	Calm
	December	822		73°7	44°2			59°0	65	0°09	N
	Year	551		89°9	65°6			77°8	42	39°95	...
Ajmere.	January	28°453	28°416	76°7	51°2	64°6	74°2	64°0	Daily 63	1°19	NE, S & S W
	February	342	309	81°9	54°3	70°5	79°0	68°1	50	...	W
	March	274	228	95°0	62°4	85°1	93°1	78°7	40	...	W
	April	192	138	104°6	78°0	95°7	102°7	91°3	41	...	W
	May	118	702	103°4	81°1	92°2	101°3	92°3	?	0°40	W
	June	036	27°997	100°9	83°0	92°3	99°2	92°0	53	0°68	W
	July	27°947	904	92°8	79°2	86°1	90°9	86°0	70	5°08	W
	August	28°050	28°018	86°9	75°8	81°3	84°6	81°4	83	7°09	W
	September	120	883	86°2	74°2	80°7	83°9	80°2	82	6°36	W
	October	322	282	88°5	61°9	81°4	87°3	75°2	56	...	W
	November	403	368	83°1	50°0	73°8	81°7	66°6	49	...	N, NE & W
	December	485	448	75°0	46°0	64°2	73°0	60°5	57	0°07	NE
	Year	229	189	89.6	66°4	80°7	87°7	78°0	?	20°87	...
Mount Abu.	January	26°155	26°131	68°7	54°0	64°3	65°6	61°4	48	0°78	S W & W
	February	088	066	70°4	56°4	65°1	68°2	63°4	36	0.03	W
	March	070	045	82°3	65°6	76°7	79°9	74°0	21	...	N
	April	077	?	89°4	72°8	82°2	87°3	81°1	27	...	W & N W
	May	?	?	85°6	68°1	78°6	84°0	76°9	45	1°92	W & S W
	June	25°780	25°763	83°8	68°0	76°0	81°0	75°9	67	4°14	S W
	July	?	?	75°7	66°6	71°4	73°0	71°2	91	1°64	S W
	August	?	?	71°8	65°0	68°3	69°5	68°4	95	38°22	S W & W
	September	?	25°813	73°1	64°0	69°9	70°5	68°6	85	34°63	W & N W
	October	?	?	75°6	62°3	73°0	73°3	69°0	53	0°59	N E & E
	November	?	?	70°7	55°6	68°3	68°3	63°2	39	...	W
	December	?	?	66°4	52°6	63°1	63°2	60°0	47	0°18	N W
	Year	?	?	76°1	62°6	71°4	73°7	69°4	55	100°13	...

1892.

Station.	Month.	PRESSURE.		TEMPERATURE.						WIND.	
		8 A.M. mean.	Mean daily.	Mean max. mum.	Mean mini. mum.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	Mean humidity daily %.	Total rainfall in inches.	Prevailing di- rection.
											Velocity in miles per day.
Decca.	January	29°579	29°516	87°5	57°1	76°2	84°2	72°3	35	0°55	Variable
	February	506	445	91°0	58°8	79°4	88°7	74°9	32	...	S & S E
	March	430	363	103°1	65°0	90°0	100°4	84°1	21	...	S W & S
	April	356	286	110°1	76°5	97°8	107°8	93°3	26	...	S E
	May	308	248	106°3	77°9	91°2	104°3	92°1	43	...	?
	June	205	140	105°1	81°5	92°3	103°0	93°3	46	0°29	S W & S
	July	684	448	93°9	78°5	85°2	90°1	86°2	72	15°12	S & S E
	August	207	152	89°4	77°2	83°3	86°5	83°3	78	7°86	S W
	September	277	231	89°7	74°7	82°2	86°6	82°2	74	15°06	W
	October	451	308	93°0	66°3	86°6	91°3	79°7	48	0°37	E & S W
	November	551	504	90°1	53°9	80°9	88°1	72°0	28	...	E
	December	630	580	84°7	52°0	74°3	82°3	68°4	28	0°07	N E
	Year	382	327	95°3	68°3	85°0	92°8	81°8	44	39°32	...
Indore.	January	28°210	Not available.	81°0	51°9	76	66°5	76	0°65	Calm & S E	72
	February	121		84°6	51°8	68°2	54	0°2-	Calm	72	
	March	060		95°3	58°6	77°0	35	...	Calm	72	
	April	27°906		104°3	72°6	88°5	28	...	N W	120	
	May	958		101°9	74°4	88°2	65	0°05	W	168	
	June	863		95°8	74°2	85°0	73	5°07	W	72	
	July	781		87°1	73°0	80°1	87	6°38	S W	144	
	August	872		83°7	72°1	77°9	92	8°08	W & S W	96	
	September	921		81°6	70°0	75°8	92	13°85	N W	120	
	October	28°086		87°3	63°2	75°3	66	0°25	Calm, N & E	48	
	November	174		82°4	50°9	66°7	51	0°50	Calm	24	
	December	239		79°6	50°3	65°0	61	0°31	Calm	48	
	Year	023		88°7	63°6	76°2	65	35°36	...	89	
Neemuch.	January	28°415	Not available.	70°4	52°5	Not available.	66°0	58	0°10	E	168
	February	315		84°0	54°6	69°3	48	0°19	Calm & N W	168	
	March	251		95°4	62°8	79°1	30	...	W	192	
	April	184		104°8	77°2	91°0	22	...	N W	264	
	May	127		103°5	77°8	90°7	60	0°11	S W & W	384	
	June	043		90°3	77°3	88°3	70	1°69	W	336	
	July	27°951		90°7	75°3	83°0	78	8°97	W	360	
	August	28°052		85°2	73°6	79°4	88	11°54	S W	240	
	September	100		84°9	71°9	78°4	88	12°15	W & S W	216	
	October	299		88°6	63°9	76°3	53	...	N E & E	120	
	November	387		83°9	52°1	68°0	40	...	Calm	96	
	December	459		77°7	49°4	63°6	51	1°27	N E	120	
	Year	215		89°8	65°7	77°8	57	36°02	...	223	
Delhi.	January	9°366	Not available.	71°4	50°1	Not available.	60°8	70	0°40	Calm & W	48
	February	224		76°0	54°5	65°3	64	1°05	Calm	72	
	March	103		91°8	65°5	78°7	32	...	W	96	
	April	008		105°6	78°7	92°2	37	...	W	72	
	May	28°924		106°6	84°5	95°6	38	1°19	S E & W	96	
	June	887		103°3	84°9	94°1	49	0°82	S E	96	
	July	793		95°4	81°4	88°4	76	7°16	Calm & S E	96	
	August	911		87°5	78°6	83°1	88	12°40	Calm	72	
	September	991		89°1	76°8	83°0	85	2°41	Calm	72	
	October	29°184		88°8	67°2	78°0	54	...	Calm	48	
	November	272		81°2	56°0	68°6	50	...	W	48	
	December	378		70°9	48°9	59°9	59	0°13	Calm & W	48	
	Year	086		89°0	68°9	79°0	59	25°56	...	70	

1893.

Stations.	Month.	PRESSURE.		TEMPERATURE.				Mean humidity daily %.	Total rainfall in inches.	Prevailing direction.	Velocity in miles per day.	
		8 A. M. mean.	Mean daily.	Mean maxi- mum.	Mean mini- mum.	Mean hrs.	Mean 16 hrs.					
Agra.	January . . .	29°497	29°459	78°0	48°9	59°6	66°6	63°5	66	N W	94	
	February . . .	'515	'490	67°9	48°5	59°3	66°6	58°2	58	N W	108	
	March . . .	'416 ^p	'366	85°2	59°5	75°5	83°8	72°4	44	N W	110	
	April . . .	'231	'173	103°3	74°2	93°6	101°5	88°8	27	N W	130	
	May . . .	'156	'103	103°4	79°8	94°0	100°5	91°6	40	N W	135	
	Ju e . . .	'048	22°998	101°4	82°5	93°2	98°4	92°0	53	I'77	171	
	July . . .	'031	'998	88°8	78°0	84°1	86°2	83°4	79	12°09	S W & N W	
	August . . .	'086	29°043	93°3	78°9	88°1	89°5	86°1	73	3°89	N W & S E	
	September . . .	'168	'123	89°8	75°8	83°7	87°5	82°8	73	3°72	N W	
	October . . .	'355	'304	90°8	65°6	82°6	88°8	78°2	51	1°43	N W	
	November . . .	'534	'482	81°1	57°2	73°0	79°3	69°2	52	0°54	N W	
	December . . .	'560	'517	76°1	50°2	66°1	74°9	63°2	53	...	N W	
	Year . . .	'300	'255	87°4	66°6	79°5	85°2	77°0	56	26°18	...	
Pachchhadra.	January . . .	29°674		74°5	43°8			59°2	63	0°55	Calm	
	February . . .	'675		73°8	45°2			54°5	59	0°25	Calm	
	March . . .	'582		91°2	57°1			74°2	44	0°15	Calm	
	April . . .	'429		106°1	70°3			88°2	47	0°11	Calm & S	
	May . . .	'332		105°2	77°7			91°5	61	1°40	S W	
	June . . .	'192		104°0	78°9			91°5	71	6°36	S & S W	
	July . . .	'197		91°0	75°7			83°4	79	15°05	S & S SW	
	August . . .	'289		94°1	76°0			85°1	73	5°60	Calm	
	September . . .	'334		91°3	73°1			82°2	83	17°51	S W	
	October . . .	'545		94°8	62°7			78°8	54	...	Calm	
	November . . .	'692		85°6	55°8			70°7	62	1°32	Calm	
	December . . .	'691		84°1	48°5			66°3	54	...	Calm	
	Year . . .	'469		91°3	63°7			77°5	63	48°30	...	
Sirsia.	January . . .	29°341		65°3	43°3			54°3	91	1°42	Calm	
	February . . .	'372		63°4	42°7			53°1	86	1°42	Calm	
	March . . .	'262		82°9	53°6			68°3	67	0°02	Calm	
	April . . .	'076 ^p		101°6	68°0			84°8	50	0°05	Calm	
	May . . .	'000 ^p		105°5	78°2			91°9	49	0°58	S E, S N & W	
	June . . .	28°097		104°9	81°8			93°4	52	3°12	S W & S E	
	July . . .	'862		95°8	79°5			87°7	78	6°16	W	
	August . . .	'935		102°7	80°5			91°6	65	0°87	W	
	September . . .	29°014		96°1	76°0			86°1	76	3°79	W & S E	
	October . . .	'206		96°1	62°5			79°3	57	...	Calm	
	November . . .	'409		83°4	50°2			66°8	66	...	Calm	
	December . . .	'422		77°9	44°2			61°1	71	0°27	Calm	
	Year . . .	'150		89°6	63°4			76°5	67	17°70	...	
'Bikaneer.	January . . .	29°256		66°6	?			51°1	81	0°81	N W & S W	
	February . . .	'281		66°0	?			58	46	N E	96	
	March . . .	'169		85°1	?			42	0°04	S W	120	
	April . . .	'009		102°1	77°8			90°0	32	0°13	S W	144
	May . . .	28°917		104°1	78°4			91°3	43	0°93	S W	192
	June . . .	'799		104°2	82°9			93°6	52	1°06	S S W	175
	July . . .	'784		95°2	79°5			87°4	71	4°44	S & S W	194
	August . . .	'867		98°9	81°1			90°0	67	3°10	S S W	173
	September . . .	'933		95°2	79°2			87°2	66	1°15	S W	199
	October . . .	29°139		95°1	71°9			83°5	44	...	S W	120
	November . . .	'312		82°6	60°2			71°4	52	0°51	N & N E	74
	December . . .	'329		79°1	54°3			66°7	48	0°18	N W	60
	Year . . .	'066		87°9	?			?	55	12°81	...	137

1893.

Station.	Month.	Pressure.		Temperature.						Mean humidity daily %	Total rainfall in inches.	Wind.			
		8 A. M. mean.		Mean daily.			Mean daily.					Mean daily.			
		Mean max- imum.	Mean min- imum.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	Mean daily.	Mean daily.	Mean daily.			Velocity in miles per day.	Prevailing direction.		
Jeypore.	January . .	28.571	28.542	68.6	46.5	60.4	67.2	57.6	60	Daily	1.07	N W & E	102		
	February . .	.590	.564	68.8	46.0	60.0	66.5	57.4	54	0.66	0.94	N W & N	64		
	March . .	.521	.480	85.2	58.2	76.3	83.3	71.7	42	0.94	0.16	N W	75		
	April . .	.374	.327	101.4	70.1	92.4	99.3	85.8	32	0.16	0.80	N W	111		
	May . .	.296	.248	103.3	76.1	93.5	100.3	89.7	38	3.63	3.63	S W	125		
	June . .	.182	.142	98.5	78.7	90.8	94.7	88.6	57	1.30	1.30	S W	110		
	July . .	.175	.143	89.0	74.7	82.3	86.5	81.9	77	6.08	6.08	S W	124		
	August . .	.237	.202	93.6	75.6	86.0	89.9	84.6	68	4.51	4.51	S W	96		
	September . .	.306	.267	90.3	72.6	82.9	86.8	81.5	69	0.06	0.06	W	104		
	October . .	.489	.448	93.2	62.4	85.7	90.4	77.8	40	2.40	2.40	N E	60		
	November . .	.645	.601	80.5	56.0	73.9	77.3	68.3	51	0.09	0.09	S W	37		
	December . .	.660	.624	78.1	49.9	70.0	75.2	64.0	48	30.70	30.70	...	36		
	Year . .	.421	.383	87.5	63.9	79.5	84.8	75.7	53	30.70	30.70	...	87		
Sambhar.	January . .	28.729	Not available.	68.0	42.8	Not available.	55.4	80	0.86	Calm	120	N & N E	120		
	February . .	.745	Not available.	66.9	45.2	Not available.	56.1	72	0.54	0.54	144	W	168		
	March . .	.675	Not available.	83.6	55.8	Not available.	69.7	55	0.31	0.31	216	W	192		
	April . .	.530	Not available.	99.5	70.2	Not available.	84.9	42	...	...	235	W	190
	May . .	.447	Not available.	101.0	77.2	Not available.	89.1	52	2.22	2.22	180	W	180		
	June . .	.335	Not available.	98.4	79.5	Not available.	89.0	61	2.34	2.34	185	W	185		
	July . .	.324	Not available.	87.9	75.6	Not available.	81.8	82	10.27	10.27	225	W	225		
	August . .	.392	Not available.	93.3	76.3	Not available.	84.8	75	6.65	6.65	108	W	108		
	September . .	.455	Not available.	88.9	73.6	Not available.	81.3	77	3.83	3.83	8.4	W	8.4		
	October . .	.642	Not available.	90.9	62.1	Not available.	76.5	54	0.02	0.02	94	W	94		
	November . .	.800	Not available.	79.7	54.4	Not available.	67.1	63	1.75	1.75	161	Calm & N	Calm & W		
	December . .	?	Not available.	76.6	47.2	Not available.	61.9	69	0.12	0.12	161	...	...
Ajmere.	January . .	28.392	28.356	69.1	44.1	59.3	67.8	56.6	65	1.53	S W, N & N E	76	76		
	February . .	.409	.379	68.0	47.1	58.7	66.5	57.6	62	0.67	N E, S & W	87	87		
	March . .	.345	.300	84.4	57.9	75.6	82.6	71.2	48	0.30	W	125	125		
	April . .	.214	.166	100.4	73.5	91.3	99.0	87.0	33	...	W	199	199		
	May . .	.137	.091	101.5	79.3	91.8	99.0	90.4	43	0.45	W	250	250		
	June . .	.018	27.983	98.0	80.4	90.0	95.0	89.2	58	4.19	W	187	187		
	July . .	.011	.978	85.6	75.4	80.4	84.7	80.5	80	8.40	W	219	219		
	August . .	.081	28.047	88.7	76.0	82.1	87.1	82.4	76	8.21	W	292	292		
	September . .	.136	.104	85.1	73.4	79.5	84.4	79.3	79	7.15	W	193	193		
	October . .	.327	.289	88.5	60.7	81.2	87.5	74.6	57	0.07	W	70	70		
	November . .	.472	.432	78.7	54.8	70.6	76.9	66.8	64	1.86	N E, & S E	49	49		
	December . .	.490	.451	76.6	46.5	64.5	75.5	61.6	61	...	S E	43	43		
	Year . .	.253	.215	85.4	64.1	77.1	83.8	74.8	61	32.83	32.83	...	142		
Mount Abu.	January . .	26.072	26.061	61.4	47.4	57.4	58.9	54.4	45	0.37	N E	125	125		
	February . .	.080	.064	59.4	45.8	54.5	57.5	52.6	51	0.78	N E	138	138		
	March . .	.083	.058	73.4	58.4	68.6	71.6	65.9	39	0.40	W & N W	157	157		
	April . .	.044	.015	85.5	69.9	80.2	84.0	77.7	29	...	S W & W	168	168		
	May . .	.25.964	25.940	84.1	67.4	77.7	82.0	75.8	56	2.03	S W	202	202		
	June . .	.846	.829	80.1	67.9	76.1	77.7	74.0	73	24.15	S W	202	202		
	July . .	.822	.808	70.3	63.8	66.7	69.4	67.1	95	30.73	S W	298	298		
	August . .	.885	.868	71.7	64.0	68.3	70.4	67.9	92	8.47	S W & W	206	206		
	September . .	.927	.907	70.7	62.5	67.7	69.2	66.6	89	50.31	S W	248	248		
	October . .	.26.098	26.070	74.6	61.3	72.7	72.4	68.0	52	0.76	N E & S W	130	130		
	November . .	.168	.138	69.2	57.4	66.7	66.5	63.3	59	3.30	N E	116	116		
	December . .	.190	.162	68.5	54.1	66.2	65.6	61.3	45	...	N E	86	86		
	Year . .	.006	25.992	72.4	60.0	68.6	70.4	66.2	60	130.30	130.30	...	173		

1893.

Station.	Month.	PRESSURE.		TEMPERATURE.						WIND.		
		8 A. M. mean.	Mean daily.	Mean maximum.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean humidity daily %.	Total rainfall in inches.	Prevailing direction.	Velocity in miles per day.	
Dessas.	January . . .	29°545	29°487	80°0	49°5	69°9	77°9	64°8	34	N	218	
	February . . .	567	521	78°9	50°2	69°3	76°7	64°6	40	S W, W & N W	227	
	March . . .	474	420	94°1	62°1	83°7	92°2	78°1	31	N & N E	206	
	April . . .	371	307	105°1	71°9	92°2	103°6	88°5	32	W	231	
	May . . .	290	225	104°7	78°6	91°9	103°4	91°7	44	W	334	
	June . . .	151	105	98°0	78°9	89°2	95°9	88°5	59	W	307	
	July . . .	156	119	87°4	75°3	81°8	85°4	81°4	81	S W	?	
	August . . .	230	187	89°0	75°4	83°2	87°5	82°2	74	S W	223	
	September . . .	282	240	87°9	72°7	82°3	86°1	80°3	74	S W	253	
	October . . .	461	400	94°4	64°0	87°1	92°2	79°2	49	N E & N	142	
	November . . .	579	527	86°1	61°9	78°9	84°1	74°0	50	N E & E	204	
	December . . .	616	566	86°3	54°4	76°3	84°5	70°4	43	E	169	
Indore.	Year . . .	394	342	91°0	66°2	82°2	89°1	78°6	51	49°53	...	?
	January . . .	28°165	Not available.	75°0	47°4			61°2	73	8 A. M.	Calm	48
	February . . .	175		74°6	47°7			61°2	61	& N	Calm & N	77
	March . . .	123		87°3	57°4			72°4	56	N	N	72
	April . . .	029		100°1	69°5			84°8	47	W & N	W & N W	120
	May . . .	27°961		100°3	74°6			87°5	63	W	W & N W	144
	June . . .	845		91°2	73°9			82°6	82	W	W	132
	July . . .	865		84°3	71°0			77°7	90	W & S W	W & S W	142
	August . . .	892		82°7	70°4			76°6	92	W	W	134
	September . . .	953		82°7	68°9			75°8	90	W	W	110
	October . . .	28°101		87°0	59°1			73°1	66	Calm	Calm	38
	November . . .	210		81°7	58°8			70°3	76	E & N	E & N	55
	December . . .	249		78°7	49°0			63°9	71	Calm	Calm	29
Neemuch.	Year . . .	047		85°5	62°3			73°9	72	39°80	...	86
	January . . .	28°366	Not available.	72°3	47°3			59°8	62	8 A. M.	N E	144
	February . . .	382		72°9	48°1			60°5	58	N E	N E	168
	March . . .	332		85°6	58°7			72°2	41	N E	N E	192
	April . . .	218		100°4	70°8			85°6	36	W	W	240
	May . . .	134		100°8	76°6			88°7	46	W	W	288
	June . . .	012		94°6	76°3			85°5	66	W	W	276
	July . . .	019		85°2	72°5			78°9	85	W	W	367
	August . . .	073		85°1	72°3			78°7	86	W	W	233
	September . . .	128		84°4	70°1			77°3	85	W	W	274
	October . . .	303		80°2	61°2			75°2	52	Calm	Calm	127
	November . . .	434		80°3	58°7			69°5	64	E	E	137
	December . . .	452		78°7	50°2			64°5	56	E	E	103
Delhi.	Year . . .	233		85°8	63°6			74°7	61	43°49	W & N E	214
	January . . .	29°289	Not available.	64°0	47°5			55°8	85	8 A. M.	Calm & W	48
	February . . .	306		63°6	47°0			55°3	80	Calm	Calm	48
	March . . .	213		77°8	58°6			68°2	64	Calm	Calm	48
	April . . .	042		96°4	72°3			84°4	45	S E, W & Calm	S E, W & Calm	72
	May . . .	28°068		99°8	78°1			89°0	49	Calm	Calm	96
	June . . .	865		98°3	70°7			84°5	64	S E	S E	108
	July . . .	832		89°1	78°2			84°7	81	12°80	Calm & W	89
	August . . .	898		93°6	79°7			86°7	72	W & S E	W & S E	74
	September . . .	975		88°8	76°2			82°5	77	Calm	Calm	70
	October . . .	29°157		80°5	67°0			78°7	55	2°16	Calm	24
	November . . .	342		77°9	56°6			67°3	60	0°39	Calm	22
	December . . .	358		72°9	50°4			61°7	69	0°39	Calm	22
	Year . . .	104		84°3	66°1			75°2	67	33°26	...	60

1894.

Station.	MONTH.	PRESSURE.		TEMPERATURE.						WIND.	
		8 A.M. mean.	Mean daily.	Mean maximum.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	Mean humidity daily %.	Total rainfall in inches.	Prevailing direction.
Agra.	January	29°510	29°478	71°0	50°1	61°9	70°0	60°6	63	1°54	N W
	February	483	443	77°1	54°3	67°4	75°7	65°7	59	0°06	N W
	March	360	311	89°8	65°0	79.3	88°6	77°4	37	0 45	N W
	April	215	157	103°9	72°5	94°3	102°0	88°2	23	...	N W
	May	87	030	110°4	82°3	101°5	106°8	96°4	25	0°40	N W
	June	28°979	28°923	102°1	83°4	94°9	98°0	92°8	55	2°65	N W
	July	29°008	969	91°9	79°3	86°6	88°9	85°6	76	5°44	S E
	August	024	988	88°4	78°0	83°5	85°7	83°2	82	1°18	N W
	September	151	29°102	90°7	75°9	86°4	88°8	83°3	74	2°27	N W
	October	305	255	90°2	67°1	83°2	88°7	78°7	55	0°02	N W
	November	508	464	82°2	55°7	74 8	79°9	69°0	53	0°84	N W
	December	542	505	71°5	50°6	64°1	60°1	61°1	69	2°01	N W
	Year	264	219	89°1	67°5	81°5	86°9	78°3	56	35°76	...
Pachchadra.	January	29°712		76°7	46°6			61°7	66	0°86	N, N W & N E
	February	678		83°6	51°4			75°6	58	0°05	Calm
	March	572		93°6	58°0			75°8	47	0°25	Calm
	April	408		107°0	68°0			87°5	42	0°15	Calm
	May	312		108°1	76°7			92°4	64	...	S W & S
	June	158		102°3	80°1			91°2	75	4°83	S & S E
	July	153		90°6	77°6			84°1	80	1°30	SE
	August	194		92°1	75°3			83°7	83	2°70	S
	September	341		96°3	74°6			85°5	80	2°47	Calm
	October	513		98°3	64°8			81°6	53	...	Calm
	November	586		90°7	51°0			70°9	57	...	Calm
	December	711		78°6	47 3			63°0	69	0°77	Calm
	Year	445		93°2	64°3			78°8	65	22°38	...
Sirsia.	January	29°394		64°4	45°2			54°8	88	2°01	Calm
	February	369		73°1	49°4			61°3	83	0°35	Calm
	March	235		85°4	55°5			70°5	63	0°36	Calm
	April	086		103°5	68°4			86°0	36	0°02	Calm
	May	28°947		111°0	79°2			95°1	31	0°80	W & S W
	June	839		107°6	83°1			95°4	54	3°91	W
	July	880		97°6	81°0			89°3	74	4°90	W. & E.
	August	891		100°9	81°3			91°1	68	2°50	W.
	September	29°028		96°7	75°0			85°9	72	5°47	W E & Calm
	October	176		98°9	62°2			80°6	44	...	Calm
	November	374		85°6	51°1			68°4	57	...	Calm
	December	416		70°5	46°6			58°6	81	0°67	Calm
	Year	136		91°3	64°8			78°1	63	20°99	...
Bikaner.	January	29°298		67°4	49°0			58°2	76	2°38	N W & Calm
	February	274		75°1	54°0			64°6	68	0°23	N W
	March	156°		87°6	60°5			74°1	51	...	E & N W
	April	020		102°1	75°0			88°6	44	0°02	S & S W
	May	28°801		109°0	83°2			96°1	43	0°03	S W
	June	762		105°9	84°8			95°4	59	5°81	S W
	July	787		97°3	80°8			80°1	70	1°77	S
	August	818		97°6	79°3			88°5	67	1°48	S W
	September	942		100°2	79°1			80°7	61	0°20	S W
	October	29°108		96°8	69°6			83°2	36	...	S W
	November	295		85°4	57°7			71°6	40	...	N W
	December	332		71°1	?			?	74	0.28	N
	Year	057		91°3	?			?	57	12°20	...

1894.

Station.	Month.	Pressure.		Temperature.						Mean humidity daily %	Total rainfall in inches.	Prevailing direction.	Wind.
		S.A.M. mean.	Mean daily.	Mean maximum.	Mean minimum.	Mean no hrs.	Mean 16 hrs.	Mean daily.	Mean daily.				
Jeyore.	January	28°605	28°584	72°4	50°3	63°4	69°8	61°4	59	1.34	N E W & W	56	
	February	.587	.551	79°3	55°0	69°4	77°1	67°2	48	0.23		60	
	March	.490	.455	89°6	59°4	79°2	87°1	74°5	35	0.27	S S W	86	
	April	.376	.334	102°0	60°1	92°7	99°3	85°6	27	..	S S W	86	
	May	.278	.232	107°2	76°8	96°1	105°0	92°0	30	0.14	S S W & W	125	
	June	.146	.107	98°9	79°4	89°6	95°1	80°2	61	6.01	S W & W	81	
	July	.161	.134	88°9	76°0	82°7	86°5	82°5	78	6.08	S W & W	85	
	August	.196	.162	89°4	74°9	82°5	86°8	82°2	75	10.96	W	112	
	September	.311	.267	93°0	73°3	85°2	90°0	83°2	69	3.39	W	79	
	October	.456	.415	94°1	65°5	86°3	91°8	79°8	41	..	N W & W	61	
	November	.628	.588	84°6	52°1	75°9	81°9	68°4	46	..	W	39	
	December	.636	.602	72°9	50°0	64°2	70°2	61°5	64	1.52	E	47	
	Year	.406	.369	89°4	65°2	80°6	86°8	77°3	53	29.93	..	84	
Sambhar.	January	28°776	71°4	47°6	59°5	76	0.48	N & E & Calm	120				
	February	.755	77°9	50°8	64°4	64	..	N & Calm	125				
	March	.655	87°6	56.0	71°8	43	..	Calm	144				
	April	.538	99°9	68°4	84°2	30	..	N W	137				
	May	.438	104°7	79°9	92°3	40	1.75	W	312				
	June	.304	98°2	81°0	89°6	66	3.63	W	257				
	July	.320	89°4	76°1	82°8	80	8.02	W	211				
	August	.355	89°9	75°2	82°6	78	6.13	W	211				
	September	.467	91°8	73°9	82°9	74	2.97	W	158				
	October	.619	92°9	64°6	78°8	52	..	W & N W	134				
	November	.796	83°5	49°9	66°7	54	..	Calm	54				
	December	.805	72°2	47°8	60°0	78	3.64	Calm & N	139				
	Year	.569	88°3	64°3	76°3	61	26.62	..	170				
Ajmere.	January	28°432	28°399	71°9	49°2	61°6	70°9	60°6	63	0.57	W & NE	73	
	February	.410	.371	28°6	54°0	67°7	77°7	66°3	53	0.01	NE	78	
	March	.321	.277	87°7	58°8	78°5	86°9	73°3	41	0.41	W & S W	114	
	April	.209	.162	99°3	70°7	90°4	97°8	85°0	30	0.05	W	152	
	May	.120	.074	103°7	80°9	93°4	102°7	92°3	36	9.20	W	332	
	June	27°979	27°950	95°0	80°3	87°3	92°7	87°7	65	7.27	W	222	
	July	.985	.953	86°1	75°8	80°7	84°9	81°0	82	6.66	W	172	
	August	28°027	.995	86°3	74°6	80°7	85°0	80°5	79	3.72	W	221	
	September	.142	28°097	89°4	74°2	83°2	87°6	81°8	74	5.79	W	128	
	October	.290	.245	91°6	64°7	83°6	90°2	78°2	49	..	Calm	79	
	November	.447	.411	84°2	49°8	74°1	82°8	67°0	46	..	Calm	32	
	December	.439	71°9	50°2	62°1	70°6	61°1	69	2.31	Calm	45		
	Year	.233	?	87°1	65°3	78°6	85°8	76°2	57	26.99	..	137	
Mount-Abu.	January	.26°120	26°100	64°0	51°0	60°4	61°3	57°5	54	0.60	S W	145	
	February	.123	.100	69.9	55°7	65°2	67°7	62°8	44	..	S S W	160	
	March	.084	.061	75.8	60.6	70°4	74°1	68°2	36	0.48	S W & W	212	
	April	.030	.002	84°8	69°5	70°7	83°1	77°2	28	0.02	S S W	217	
	May	25°979	25°954	86°3	68°8	78°7	85°3	77°6	44	0.52	S S W	351	
	June	.823	.807	79°0	66°7	73°3	76°7	72°9	80	11.16	S S W	295	
	July	.787	.773	70°1	64°6	67°5	68°7	67°4	97	49.20	S S W	363	
	August	.841	.827	69°9	62°8	65°9	68°5	66°4	94	8.67	S W	334	
	September	.959	.935	74°6	64°7	71°8	71°8	69°7	83	8.25	S W & N W	170	
	October	26°072	26°042	77.5	63°2	73°6	75°0	70°4	50	0.11	NE & S W	147	
	November	.191	.162	72°6	56°9	69°7	70°4	64°8	40	..	NE	118	
	December	.146	.120	65°5	51°7	62°2	62°3	58°6	57	0.84	S W & NE	135	
	Year	.013	25°990	174°2	61°4	69°9	72°1	67°8	59	79.85	..	221	

1894.

Station.	Month.	PRESSURE.		TEMPERATURE.						WIND.		
		8 A.M. mean.	Mean daily.	Mean max- imum.	Mean mini- mum.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	Mean humidity daily %	Total rainfall in inches.	Prevailing di- rection.	Velocity in miles per day.
Deesa.	January	29° 581	29° 535	81° 8	53° 9	71° 5	80° 3	67° 9	46	0° 64	NE	210
	February	29° 558	504	88° 8	58° 1	77° 9	87° 6	73° 5	35	0° 01	NE	220
	March	29° 482	427	95° 9	63° 6	84° 9	94° 6	79° 8	31	0° 02	W	208
	April	29° 366	304	105° 0	71° 5	93° 2	103° 0	88° 3	28	0° 11	W	206
	May	29° 318	245	106° 2	76° 5	92° 0	104° 9	91° 4	41	...	W	345
	June	29° 146	992	97° 9	78° 8	88° 4	94° 9	88° 4	64	4° 48	S W	314
	July	29° 124	991	86° 3	75° 5	80° 5	84° 1	80° 9	85	11° 48	S SW	337
	August	29° 193	158	87° 4	74° 5	81° 6	85° 9	81° 0	77	1° 87	W & S W	274
	September	29° 312	260	92° 3	74° 5	84° 8	90° 6	83° 4	70	3° 83	W & N W	163
	October	29° 433	374	95° 5	66° 9	87° 7	93° 1	81° 1	48	...	S W NE & E	166
	November	29° 600	549	91° 5	54° 5	83° 3	80° 2	73° 0	34	...	SE	169
	December	29° 594	549	83° 3	53° 7	74° 2	81° 1	68° 5	46	0° 17	N E & N & E	218
	Year	29° 392	341	92° 7	66° 8	83° 3	90° 8	79° 8	50	22° 61	...	236
Indore.	January	28° 195		78° 3	50° 4			64° 4	74	0° 03	Cam & N	46
	February	28° 178		86° 2	56° 6			71° 4	66	...	Calm	62
	March	28° 113		90° 4	61° 0			75° 7	47	0° 05	N & Calm	84
	April	28° 021		100° 2	68° 9			84° 6	48	...	N	86
	May	27° 973		102° 2	76° 0			89° 1	63	...	W	158
	June	28° 826		91° 5	74° 7			83° 1	82	3° 71	W & SW	163
	July	28° 816		82° 3	71° 7			77° 0	91	11° 70	S W	166
	August	28° 870		82° 4	71° 1			76° 8	91	3° 44	W	137
	September	28° 948		85° 3	70° 8			78° 1	92	8° 22	N & N W	96
	October	28° 072		84° 5	65° 0			74° 8	79	5° 23	Calm N	84
	November	28° 228		86° 1	51° 7			65° 9	68	...	Calm	31
	December	28° 213		83° 0	53° 0			?	75	0° 79	Calm & N	53
	Year	28° 033		?	64° 3			?	73	33° 17	...	98
Neemuch.	January	28° 399		77° 0	50° 4			63° 7	64	...	NE	139
	February	28° 372		82° 2	55° 9			69° 1	55	...	NE	149
	March	28° 303		90° 4	60° 5			75° 5	33	...	N E & W	182
	April	28° 214		99° 9	69° 9			84° 9	27	0° 36	Westerly	202
	May	28° 133		102° 9	76° 8			89° 9	45	...	W	374
	June	27° 991		93° 4	75° 8			84° 6	79	10° 89	SW	336
	July	28° 986		84° 2	72° 9			78° 6	87	3° 92	SW & W	293
	August	28° 041		84° 4	71° 9			78° 2	85	4° 10	W	151
	September	28° 144		87° 2	71° 2			79° 2	83	6° 89	Calm E	113
	October	28° 278		89° 3	65° 7			77° 5	63	0° 41	Calm	98
	November	28° 443		83° 9	51° 7			67° 8	47	...	E	113
	December	28° 436		76° 6	51° 5			64° 1	68	0° 80	...	204
Delhi.	January	29° 314		65° 4	48° 6			57° 0	82	3° 45	Calm	36
	February	29° 295		71° 2	53° 5			62° 4	77	0° 39	Calm	36
	March	29° 173		82° 3	60° 0			71° 2	53	1° 39	W & Calm	77
	April	29° 045		98° 4	73° 3			85° 9	33	0° 27	W	77
	May	28° 913		106° 9	82° 5			94° 7	32	1° 1	W	70
	June	28° 820		101° 8	83° 7			92° 8	60	4° 41	SE	46
	July	28° 852		92° 0	79° 7			85° 9	78	7° 54	Calm	41
	August	28° 859		89° 4	78° 6			84° 0	82	11° 58	Calm	55
	September	28° 981		90° 3	76° 2			83° 3	76	4° 88	W	72
	October	29° 130		91° 5	67° 9			79° 7	50	...	Calm & W	55
	November	29° 324		80° 4	56° 4			68° 4	61	0° 81	Calm	48
	December	29° 357		68° 3	50° 0			59° 2	79	5° 28	Calm	34
	Year	29° 089		86° 5	67° 5			77° 0	64	41° 11	...	53

1895.

Agra.	Station.	Month.	PRESSURE.		TEMPERATURE.					WIND.	
			8 A.M. mean.		Mean daily.			Mean maximum.		Mean humidity daily %.	
			Mean daily.	Mean maximum.	Mean daily.	Mean maximum.	Mean minimum.	Mean to hrs.	Mean 16 hrs.	Total rainfall in inches.	Prevailing direction.
January	.	29°520	29°489	68°2	48°5	60°0	66°3	58°4	72	1°04	N W
February	.	29°476	29°442	79°7	53°2	70°5	78°0	66°5	54	0°51	N W
March	.	29°349	29°297	89°7	63°4	80°9	88°3	76°6	43	0°25	N W & S W
April	.	29°251	29°194	98°2	72°2	91°0	96°3	85°2	34	0°27	N W
May	.	29°096	28°934	108°6	84°2	100°3	106°3	96°4	33	...	N W
June	.	29°042	28°986	98°9	81°6	93°0	95°1	90°3	60	4°37	S E & N W
July	.	29°010	29°066	96°6	80°5	90°4	92°5	88°6	66	5°39	N W & S W
August	.	29°033	29°099	91°2	78°3	86°3	88°5	84°8	76	9°11	S W
September	.	29°190	29°145	96°0	76°6	90°5	93°6	86°3	60	1°38	N W
October	.	29°346	29°291	94°9	66°7	86°8	92°2	80°8	36	...	N W
November	.	29°489	29°441	87°7	59°7	78°6	85°3	73°7	51	...	N W
December	.	29°544	29°503	75°7	48°3	66°0	74°1	62°0	54	0°16	N W
Year	.	29°279	29°232	90°5	67°8	82°8	88°0	79°2	53	22°48	...
Pachbhadra.											
January	.	29°723		75°3	45°3			60°3	77	0°80	Calm
February	.	?		85°1	49°0			67°1	54	...	Calm
March	.	546		94°8	59°0			76°9	65	0°70	?
April	.	413		106°6	71°1			88°9	60	...	S E
May	.	322		111°7	78°3			95°0	63	0°15	S W
June	.	203		104°8	80°7			92°8	82	2°17	E, S & S E
July	.	2°7		102°1	80°3			91°2	82	1°30	S E & S W
August	.	248		95°0	76°8			85°9	87	5°76	S W
September	.	440		100°5	74°9			87°7	72	...	S W
October	.	533		99°6	64°2			81°9	54	0°56	Calm
November	.	613		93°6	56°1			74°9	50	...	Calm
December	.	734		82°2	44°6			63°4	62	...	Calm
Year	.	453		95°9	65°0			80°5	67	11°44	?
Sirsia.											
January	.	29°399		66°3	43°7			55°0	85	1°97	Calm
February	.	345		79°5	49°0			64°3	73	0°23	Calm
March	.	220		90°3	59°3			74°8	60	0°37	Calm
April	.	118		100°9	68°8			84°9	38	0°43	Calm & S F
May	.	28°955		114°1	82°0			98°1	29	...	& E
June	.	911		105°3	82°8			94°1	57	1°10	S E, W & E
July	.	871		103°9	82°6			93°3	61	2°45	W
August	.	901		99°5	81°1			90°3	69	2°80	W
September	.	29°068		103°6	77°5			90°6	52	...	W
October	.	215		98°2	63°4			80°8	38	...	Calm
November	.	361		88°4	54°4			71°4	47	...	Calm
December	.	422		76°0	44°0			60°0	62	...	Calm
Year	.	141		93°8	65°7			79°8	56	9°35	...
Bikaneer.											
January	.	29°301		68°0	47°4			57°7	75	1°07	Calm & N W
February	.	250		81°4	54°2			67°8	48	0°03	N W & S W
March	.	126		90°8	63°5			77°2	51	0°31	E & S E
April	.	002		102°2	74°8			88°5	34	0°09	variable
May	.	28°871		112°4	84°9			98°7	34	...	S W & E
June	.	804		106°0	84°8			95°4	54	2°17	S W
July	.	786		104°1	83°0			93°6	60	1°63	S W
August	.	808		98°4	80°9			89°7	66	5°20	S W
September	.	980		101°0	78°9			90°0	51	0°53	S W
October	.	29°115		97°6	70°5			84°1	33	...	N W, & N W
November	.	260		88°9	59°6			74°3	39	...	N W, Calm & N
December	.	321		76°6	49°6			63°1	46	...	...
Year	.	053		94°0	69°3			81°7	49	11°03	139

1895.

Station.	Month.	Pressure.		Temperature.						Wind.	
		8 A.M. mean.	Mean daily.	Mean maximum.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	Mean humidity daily %.	Total rainfall in inches.	Prevailing direction.
											Velocity in miles per day.
Jeypore.	January	28.614	28.586	69.5	47.7	61.3	67.5	58.6	63	0.48	E & N W
	February	.588	.556	81.4	52.0	72.2	79.3	66.7	44	0.11	W & N W
	March	.490	.453	88.7	60.1	79.7	87.1	74.4	41	1.32	Westerly
	April	.398	.352	99.2	70.4	90.1	96.3	84.8	36	0.12	W
	May	.278	.229	109.4	81.4	98.6	107.0	95.4	33	0.01	W
	June	.202	.155	101.0	80.3	92.0	97.0	90.7	56	1.82	W
	July	.187	.145	96.4	78.5	88.3	93.0	87.5	66	8.71	W
	August	.203	.173	89.4	74.9	82.7	86.7	82.2	76	10.66	W
	September	.366	.325	96.9	73.6	88.8	94.1	85.3	53	0.27	W & N W
	October	.495	.453	94.2	62.6	86.7	91.7	78.4	34	...	N W
	November	.614	.576	88.4	59.3	80.4	85.7	73.9	37	0.01	N W
	December	.656	.622	77.3	47.5	68.6	74.5	62.4	48	0.04	W
Sambhar.	Year	.424	.386	91.0	65.7	82.5	88.3	78.4	49	23.55	...
	January	28.784	Not available.	69.1	45.7	57.4	79	0.67	Calm	130	
	February	.751	Not available.	79.5	48.2	63.9	61	0.06	Calm	110	
	March	.654	Not available.	88.4	59.8	74.1	54	0.35	Calm	142	
	April	.553	Not available.	98.3	70.6	84.5	44	0.57	W & E	187	
	May	.437	Not available.	107.8	82.4	95.1	46	0.06	W	307	
	June	.356	Not available.	101.9	82.0	92.0	61	1.27	W	175	
	July	.342	Not available.	98.5	80.4	89.5	68	4.87	W	175	
	August	.362	Not available.	88.5	76.1	82.3	80	8.30	W	122	
	September	.526	Not available.	95.5	75.2	85.4	67	0.34	W	130	
	October	.649	Not available.	93.9	62.6	78.3	53	...	Calm	58	
	November	.782	Not available.	88.4	56.5	72.5	50	...	Calm	41	
	December	.820	Not available.	76.6	46.4	61.5	64	0.10	Calm	48	
Ajmere.	Year	.585	Not available.	90.5	65.5	78.0	61	16.59	...	115	
	January	28.437	28.397	69.7	47.4	59.5	68.8	58.6	64	0.58	NE.
	February	.400	.372	80.0	48.8	60.6	79.0	64.4	48	...	Variable
	March	.318	.275	88.7	50.5	80.1	87.3	74.1	43	0.32	W & SW
	April	.227	.170	99.0	72.4	90.5	97.5	85.7	38	0.31	W
	May	.122	.072	107.0	82.0	96.2	105.5	94.5	36	...	W
	June	.028	27.984	101.0	81.9	91.9	98.6	91.5	54	0.99	W
	July	.021	.976	93.9	78.5	86.2	91.2	86.2	69	10.78	W
	August	.037	28.005	85.6	75.2	80.2	84.8	80.4	81	11.34	W
	September	.206	.165	91.8	73.4	85.0	90.4	82.6	65	0.10	W
	October	.325	.283	92.3	61.6	83.2	91.1	77.0	45	0.01	W
	November	.446	.407	88.0	55.3	76.6	86.4	71.7	47	...	W
Mount Abu.	December	.483	.443	77.2	45.6	64.8	75.6	61.4	55	...	SE, NE & Calm.
	Year	.255	.212	89.5	65.1	80.3	88.0	77.3	54	24.13	...
	January	26.111	26.082	63.5	48.7	59.3	60.5	56.1	51	0.10	NE
	February	.105	.077	70.3	54.0	65.3	68.1	62.2	34	...	SE, NE & SW
	March	.080	.052	76.5	60.8	71.8	74.3	68.7	37	0.66	SW & W
	April	.041	.011	85.4	69.1	79.7	83.6	77.3	34	0.13	SW
	May	25.994	25.973	89.3	72.2	82.4	88.1	80.8	35	0.01	SW
	June	.857	.843	81.6	68.1	76.7	79.3	74.9	70	6.32	SW
	July	.850	.829	75.1	65.9	70.7	73.8	70.5	89	17.93	SW
	August	.849	.833	70.7	63.6	66.8	69.2	67.2	94	24.56	SW
	September	.26.015	.993	77.5	64.6	73.6	75.8	71.1	73	0.54	SW
	October	.100	26.071	78.4	63.7	75.5	76.1	71.1	42	0.10	NE
	November	.189	.164	76.2	61.2	73.4	73.8	68.7	40	...	SW, NW & W
	December	.170	.146	67.0	52.4	64.7	65.3	60.2	38	...	N & NE
	Year	.030	.006	76.0	62.0	71.7	74.0	69.0	53	50.25	...

1895.

Station.	Month.	PRESSURE.		TEMPERATURE.						WIND.		
		8 A.M. mean.	Mean daily.	Mean maximum.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean daily.	Mean humidity percent.	Total rainfall in inches.	Prevailing direction.	Velocity in miles per day.
Deesa.	January	29°579	29°529	81°7	51°2	71°8	79°6	66°5	38	...	NE & E	225
	February	555	506	89°3	53°5	78°9	87°5	71°4	28	...	NE SE & SW	181
	March	466	413	95°7	62°9	85°7	93°4	79°3	31	0°36	W & N	190
	April	379	312	105°2	70°9	92°2	103°5	88°1	31	...	W	221
	May	319	250	108°6	76°1	92°8	107°0	92°3	41	...	W	341
	June	179	121	100.1	79°4	89°5	96°8	89°8	61	3°69	SW	359
	July	178	129	93°3	77°8	85°6	91°0	85°6	70	4°61	SW	349
	August	197	156	88°7	75°4	82°7	87°1	82°1	74	5°46	SW	245
	September	371	314	97°7	73°4	87°9	96°0	85°6	54	...	W	175
	October	466	410	97.5	65°1	80°5	94°3	81°3	37	0°29	E & SE	182
	November	578	530	96°1	60°0	87°0	93°5	78°1	32	...	NW & NE & W	165
	December	618	509	87°2	52°3	77°9	74°9	69°8	29	...	E	182
	Year	407	353	95°1	66°5	85°1	92°9	80°8	44	14°41	...	235
Indore.	January	28°190	Not available.	77°3	50°6	Not available.	Not available.	8 A.M.	74	0°10	Calm	62
	February	182	Not available.	82°8	53°5	65°2	63	0°66	63	...	Calm	55
	March	105	Not available.	91°5	60°4	76°0	47	0°78	2°26	...	Calm, & NW	60
	April	039	Not available.	98°6	68°9	83°8	44	...	W & NW	...	W	91
	May	27°970	Not available.	103°9	77°0	90°5	52	...	...	...	NW	168
	June	869	Not available.	94°6	75°9	85°3	73	7°50	...	W	120	
	July	871	Not available.	86°9	73°2	80°1	86	8°56	...	W	106	
	August	882	Not available.	83°2	71°0	77°1	91	3°19	...	W	79	
	September	28°013	Not available.	86°5	70°5	78°5	85	8°00	...	Calm	58	
	October	125	Not available.	86°6	61°6	74°1	67	1°52	...	Variable	62	
	November	21°	Not available.	87°4	56°6	72°0	61	...	...	Calm	29	
	December	242	Not available.	79°1	48°0	63°6	60	0°08	...	Calm & NE	43	
	Year	059	Not available.	88°2	63°9	76°1	67	32°65	...	...	77	
Neemuch.	January	28°412	Not available.	74°9	50°3	Not available.	Not available.	8 A.M.	71	0°35	E & NE	156
	February	387	Not available.	82°5	52°5	67°5	47	0°03	0°03	...	Calm,	70
	March	309	Not available.	90°9	61°3	76°1	39	0°14	0°14	...	Variable	187
	April	224	Not available.	100°4	70°7	85°6	33	0°27	...	W	209	
	May	141	Not available.	106°3	78°4	92°4	48	...	...	W	293	
	June	041	Not available.	96°7	77°2	87°0	73	8°01	...	SW & W	317	
	July	041	Not available.	80°0	74°3	81°7	83	8°19	...	SW	331	
	August	053	Not available.	83°9	71°0	77°9	87	10°55	...	W	335	
	September	202	Not available.	80°9	70°8	80°4	74	2°93	...	W	187	
	October	319	Not available.	90°1	62°6	76°4	51	0°35	...	W, NE & SW	156	
	November	426	Not available.	89°7	58°5	74°1	41	...	...	NE	110	
	December	464	Not available.	78°9	49°3	64°1	51	0.02	...	NE	101	
	Year	252	Not available.	89°4	64°8	77°1	58	26°36	...	...	202	
Deli.	January	29°335	Not available.	64°8	47°9	Not available.	Not available.	8 A.M.	80	3°76	Calm	14
	February	280	Not available.	75°4	53°5	64°5	70	0°53	0°53	...	Calm	12
	March	164	Not available.	86°6	63°0	74°8	54	0°10	0°10	...	W	89
	April	079	Not available.	94°7	70°1	82°4	46	0°44	0°44	...	W, E & SE	118
	May	28°922	Not available.	108°0	82°1	95°1	39	0°15	0°15	...	W	156
	June	883	Not available.	97°4	80°5	89°0	67	3°10	3°10	...	E	156
	July	840	Not available.	96°0	80°2	88°1	70	5°79	5°79	...	W	127
	August	865	Not available.	91°8	78°6	85°2	76	4°14	4°14	...	W & E	130
	September	29°021	Not available.	96°2	77°5	86°9	59	0°95	0°95	...	W	86
	October	169	Not available.	93°5	66°9	80°2	41	0°02	0°02	...	W & Calm	74
	November	307	Not available.	86°9	58°7	72°8	47	0°02	0°02	...	W	58
	December	356	Not available.	74°5	49°3	61°9	57	0°30	0°30	...	W	62
	Year	102	Not available.	88°8	67°4	78°1	59	19°30	19°30	...	...	91

*Additional Notes by Lt.-Col. D. Ffrench Mullen, M.D., I.M.S.
Civil Surgeon, Ajmere.*

VITAL STATISTICS.

AJMERE CITY AND SUBURBS—POPULATION ACCORDING TO CENSUS OF 1891=69,165.

Registration of Births and Deaths. The registration of births is very defective.

1. For the seven years 1891-97 inclusive, only 13,289 births were registered, as against 14,544 deaths for the same period, showing an excess of deaths over births of no less than 1,255, which is absurd.

2. The *minimum* birth rate which may be accepted as correct is 35 per thousand; the Municipal figures give only 25, or a deficiency of 10 per thousand per annum, so that for the period of seven years under report at least 3,000 births remained unregistered.

3. I have taken the minimum birth rate of 35 per mille for purposes of comparison, as Ajmere suffers from many of the defects which are accountable for decreased birth rate, as well as for infant mortality. The predisposing causes are chiefly insanitary surroundings, overcrowded and ill-ventilated dwellings, deficient drainage, dearth of provisions, small-pox, malarial fevers due to polluted soil, mal-practice of mid-wives, parents' neglect, deficient clothing, etc. Most of these evils are remediable, and it is hoped that with compulsory vaccination and improved birth registration small-pox at all events will soon be removed from the above category—for the rest it depends on the Municipality and largely on the people themselves to supply the remedy.

4. Now that an Assistant Health Officer has been appointed, who supervises the registration of deaths and personally investigates the particulars in each case, it is highly desirable that the registration of births should be placed upon an equally satisfactory footing. For this purpose it is necessary that the Assistant Health Officer should be provided with an office for the purposes of registration, and record of births, deaths and marriages. The Municipality has sanctioned a sum of money for the erection of a Vaccination station, and the Registration Office might be included at a slight additional cost. Printed forms on parchment paper should be supplied for registration forms, which should be available in the future as evidence in a court of law of a birth, death, or marriage, as the case may be; this would be an inducement to parents and others to resort to registration.

5. The Municipality to pay a small sum for each registration, to be utilized for the payment of printing forms and office contingencies, etc.

6. The Assistant Health Officer to have charge of the Registration Office in addition to his other duties, with the title of Sub-Registrar, and the office to be kept open daily for certain hours to receive registration reports.

7. The above suggestions, if carried out, would entail very little extra expenditure on the Municipality as a small fee for each registration would cover all expenses for upkeep.

PUBLIC HEALTH, AND FOY SAGAR WATER-SUPPLY.

1. I have gone carefully into the subject of the effect of the Foy Sagar water-supply on the health of the city, and the result, as far as Mortality Statistics go, is not encouraging.

2. For purposes of comparison, I have taken the five years previous to the opening of the Foy Sagar, 1888-92, and the five subsequent years 1893-97. The comparison is partly vitiated by the fact that the mortality of the two periods is calculated on the census populations of 1881 and 1891 respectively ; the tendency of this is to show an apparently higher mortality for the pre-Foy Sagar period and a lower mortality since the Foy Sagar was opened. To partly counterbalance this, the registration was more exact in the second period, and therefore the number of deaths registered was large.

3. The number of deaths registered from all causes from 1888 to 1892 was 7,310 equals a death rate per thousand of 24.97 ; ditto for the period from 1893 to 1897..... 10,447 deaths, which is equivalent to a death rate per thousand of 30.33. The difference in favor of the pre-Foy Sagar period is 5.36, so that the mortality of Ajmere City and suburbs has *increased* by 5.36 per thousand since the Foy Sagar water-supply was laid on.

4. A further analysis of the Mortality Statistics gives some consolation, as it shows a diminution in the number of the cases and mortality from what are known as water-borne diseases (that is, caused by impure or deficient water-supply).

5. There has been a decided decrease in the number of deaths from cholera and bowel complaints. The average number of deaths from cholera has decreased from 35.20 per thousand to 6.80 per thousand. The average number of deaths from bowel complaints has decreased from 226.60 to 171.00 per thousand. Guineaworm is also supposed to have diminished.

6. On the other hand the mortality from fevers has gone up from 664.40 to 1111.60 per thousand, and this increase is to a certain extent due to typhoid fever, which to my knowledge has largely increased since the new water-supply.

7. I expect little improvement in this respect until an efficient system of drainage is established. It is one of the first principles of public health that the amount of water removed from the city by drainage or other means should equal the water-supply entering the city, otherwise the soil is saturated, and the benefits of a good water-supply are negatived.

8. During the year 1896-97, 57 million gallons of water were supplied to the town from the Foy Sagar alone, and 3½ million gallons of liquid were removed by the conservancy tram ; this does not include water supplied from wells, the Daggi, Jhalra, etc. None of this water is removed by drainage, and the ground is perforce waterlogged and polluted. Last year the inhabitants of Ajmere suffered to such an extent from malarial fevers that a sufficient number of persons could not be got to grind corn for food, and a public subscription was raised to buy quinine for the sufferers ; the remedy is a proper drainage system.

MEMORANDUM REGARDING THE IMPROVEMENT OF FOY SAGAR WATER-SUPPLY.

The means of improvement come under four heads :—

- (a) Increase of supply from catchment area.
- (b) Restoration of water (which leaks through the bund) to supply pipe by mechanical means.

- (c) Purification of water by filtration before it enters the distribution pipes.
- (d) Prevention of contamination by villages in the catchment area.

AJMERE WATER-SUPPLY.

The population of Ajmere City and suburbs, according to the census taken in 1891 was 69,000, allowing for an annual increase of 4 per cent. the present population (in 1898) may be estimated approximately at 90,000. The daily quantity of water required for 90,000 persons at 5 gallons each is 450,000 gallons.

The average rainfall for 32 years 1866-97 is 23.75 inches.

The following are the chief sources of water-supply to the City and its adjacent suburbs :—

1. The Ana Sagar Lake.
2. The Diggi reservoir.
3. The Jhalra reservoir.
4. The Foy Sagar.
5. Various paccas wells.
6. Budha Pushkar Lake.
7. The Ana Sagar Lake.

The water of this lake has not been used for drinking purposes since the opening of the Foy Sagar.

- (1) It is utilized for irrigating the public gardens : average annual consumption = 24 millions cubic feet.
- (2) For supplying dhobies' cisterns, bathing ghats, and cattle troughs : annual expenditure 7.38 million cubic feet.

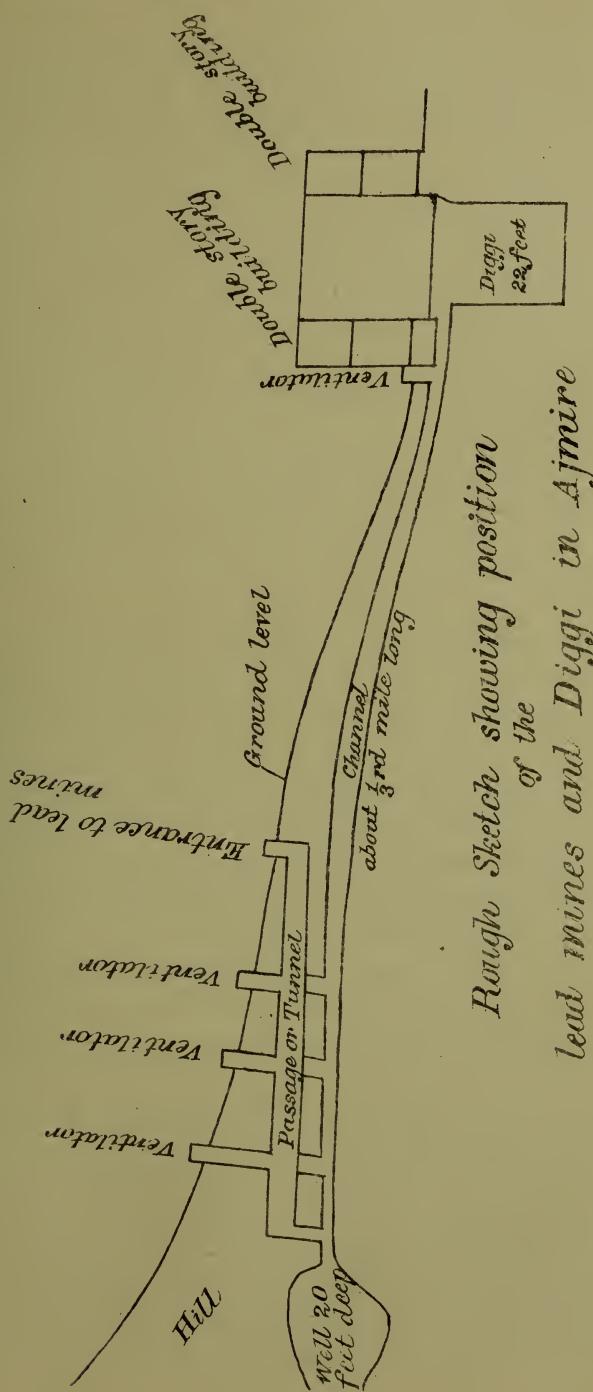
The vertical loss by evaporation and in filtration is about 5.5 feet.

The bed of the lake was completely dry in 1891 and since then the water has remained at a low level on account of the Foy Sagar cutting off 8 miles of the principal catchment area. The result of the low water level is that the Ana Sagar gives forth an unbearable stench for several months of the year, rendering the bungalows in its neighbourhood uninhabitable, as well as being a source of danger to the public health. The Commissioner's house, which is on the bund, is Government property, and it is exposed to the noxious effluvia arising from the lake, so that if something is not done, Government will have to provide a new residence for the Commissioner. Several schemes have been brought forward to remedy this unsatisfactory state of matters, but the one that appears to me the most feasible is to form an island in the centre of the lake by throwing up the silt all round. The bed of the lake, which has doubtless silted up considerably since its construction in the eleventh century, would thus be deepened to its former level and evaporation reduced considerably owing to the diminished area of water surface exposed ; this area would depend on the size of the central island. The Municipality is not in a position for monetary reasons to carry out this proposal, it would have to be done as a famine work.

- (2) The Diggi reservoir, a rough plan of which I submit, was opened out by Col. Dixon in 1834. It is 170 feet long by 100 feet wide and 20 feet deep ; it is supplied with water from the disused lead mines at the foot of Taragarh by a masonry channel. The Diggi

has overflowed all through the hot weather for the last two years; the water is potable and is largely used by the inhabitants in its vicinity; it would be interesting to take a census of the daily number of persons using it, as well as the water of the Jhalra.

The water of the lead mines being at a high level, could be utilized to supplement the Foy Sagar water by being laid on to the Railway workshops or in other ways at present. The overflow water of the Diggi runs to waste.



(3) The Jhalra reservoir. This is a deep cleft in the rocks at the base of Taragarh and close to the Durgah (Mohamed Mosque); it is fed principally by infiltration from the neighbouring hill and partly by surface drainage, it is of doubtful quality, but is rather extensively used for household purposes; no washing of clothes is allowed in the tank.

During the water famine in 1891-92 a steam pump was fixed and a useful supply of water obtained at a critical period; it is not advisable to encourage the use of this water for drinking purposes.

(6) Budha Pushkar Lake is a natural depression among sand hills without any outlet and is situated about 5 miles north-west of Ajmere. It has a water spread of 087 sq. miles at the reduced level of 129 feet, and at this level it contains 20 millions cubic feet. Its catchment area is $1\frac{1}{2}$ sq. miles, but in addition it appears to be constantly replenished from the water stored up in the sand of the surrounding valley which represents the accumulation of years. The lake area may be said to extend over the whole valley while evaporation is confined to the exposed water surface, hence the loss from this cause is slight and the amount of water in the lake is not perceptibly affected by a year of deficient rainfall, it merely indents more fully on the underground supply stored in the sandy soil around. During the water famine in 1891-92, water was conveyed to Ajmere by means of pipes and steam pumps. A new scheme for supplying water from Bhuda Pushkar at a cost of $1\frac{1}{2}$ lakhs has been provisionally approved by the Chief Commissioner, but is only to be put in force when the necessity actually arises owing to failure of other supplies. This scheme necessitates the lifting of the water, a height of 300 feet, over the Pushkar Ghat and a delivery of 30,000 gallons per hour for 15 hours daily. The water of the lake is potable.

I. Increase of supply.

There are two villages in the catchment area, Ajesar and Karekri. Ajesar comprises two small villages within a short distance of each other. There are three kaccha tanks in the catchment, two belonging to Ajesar, of which one probably deprives the Foy Sagar of a week's supply for Ajmere; this tank should be shut up. The two other tanks are very small, and one is too contaminated by proximity to the village to be interfered with. As regards Karekri there is no tank attached to it, but it drains directly into the principal *nallah* which supplies the lake, and its cleanliness is a matter of great importance.

A sum of money should be spent annually before the rains in opening up the *nallahs* in the catchment, and in the removal of obstructions.

II. The leakage water should be caught in a small reservoir, and thence pumped into the supply pipe. The leakage water is already filtered in its escape through the bund. Major Spilsbury further recommends catch water drains along the base of the hills within the catchment area.

III. *Purification*.—It would cost about R80,000 to buy up the land in the catchment area of the Foy Sagar, and compensation for house property would bring the costs up to 2 lakhs or over; as an alternative I would suggest that the villages of Ajesar and Karekri should be placed under the Ajmere Municipality for sanitary purposes only. The Municipality should defray the extra expenses incurred by the villagers for conservancy, as the water-supply would benefit by the enforced cleanliness. Also a slight remission of land revenue should be made by Government to the villagers as a reward for cleanliness, and the village headmen should be remunerated in some way.

IV. The present contour of the lake at overflow level is marked by boundary pillars, within which, nominally, no cultivation is allowed. This prohibited area should be extended to a quarter of a mile from the present boundary pillars. This area might be handed over for a term of, say, ten years, to the Forest Department (a yearly rental to be paid to the villagers) and planted with fruit trees, such as mangoes, ber, etc. No manure need be used, as the alluvial soil from the bed of the tank would be sufficient—grazing might be allowed under supervision, and hay crops grown in the rains; the villagers might be utilized as far as possible looking after the trees, cutting the grass, and of course grazing their own cattle. In this way very little hardship would be inflicted and when the trees are fruit-bearing, the villagers to resume possession, subject to the above restriction. The lake should be amply stocked with fish as a means of purification, and to supply Ajmere with food.

In addition to the above measures, the water from the wells in the disused lead mines which at present flows into the Diggi reservoir, might be more fully utilized to supplement the Foy Sagar water-supply, either by being connected with the pipes, supplying the Railway Workshops, or by being distributed by supplementary pipes to other parts of the city. The water is potable and a lot of it goes to waste by overflow from the Diggi reservoir. It would be very advisable to have a census taken of the number of persons resorting to the Diggi and Jhalra reservoirs for their water-supply. The Ana Sagar lake is used merely for washing purposes, cattle troughs, and irrigation. The area of the lake should be curtailed, to ensure a constant supply of water by minimising the loss from evaporation, etc.

VACCINATION.

The Ajmere Municipality keeps up a Vaccination Establishment at an annual expenditure of R637. This includes the pay of two Vaccinators, an allowance of R5 per mensem to the Government Native Superintendent of Vaccination for supervision, pay of a Moharir, stationery, etc.

Sanction has been lately given for the erection of a Vaccination Office at an estimated expenditure of R1,126. At present a ward in the General Hospital is used for the purpose—a matter of much inconvenience. A tabular statement is annexed showing the Vaccination work done during the years 1896-97 and 1897-98. It is satisfactory to note that there were only four deaths from small-pox in 1897, and none at all during 1898 up to date, *viz.*, 24th August 1898.

MEMORANDUM ON VACCINATION IN AJMERE-MERWARA.

The Vaccination Establishment consists of one Native Superintendent and 12 Vaccinators, one Moharir and one Chaprassi. For vaccination purposes the division of the District by Thanas is utilized, but as the number of vaccinators is too small, some of them have to work two Thanas instead of one, the result being that a number of villages are only visited once in two or even three years. The vaccination circle, which includes Kekri Town District and Sowar with a population of 72,000, has only one vaccinator. Bhinas circle with a population of 5,780 has only one vaccinator. In Merwara there is only one vaccinator for the three Thanas of Todghar, Dawair and Jassakhera. The population

is only 44,449, but the villages are scattered and the hilly nature of the country renders travelling difficult.

Two extra vaccinators are required for Ajmere District and one for Merwara District.

AJMERE.

MERWARA.

	Percentage of vaccinations to registered births.	Percentage of vaccinations to registered births.	Difference in favour of Ajmere.
1896-97	88·41	77·5	10·83
1897-98	96·58	69·44	27·14

The above table appears to prove that Ajmere District is better protected by vaccination than Merwara, but a reference to Statement I. A. Vaccine Department, a copy of which is attached for the year 1897-98, shows that the ratio per thousand of population successfully vaccinated was as follows : Merwara 32·70, Ajmere 27·48. The explanation is that the birth rate of Merwara is given as 42·83 per mile, while Ajmere shows a birth rate of only 29·91.

The apparently favourable ratio of vaccinations to births in Ajmere District is due entirely to defective birth registration. In Bengal the following method of village registration of births is in use and has worked well, and I have recommended that the same procedure might be introduced here.

Registration is entrusted to the Police. Each chaukidar or village watchman is provided with a pocket book in which to record or, if illiterate, to get recorded by the village *punchayet*, all births and deaths which take place within his jurisdiction; these are reported at stated intervals at the police stations and out-posts which are the registering centres. The statistics thus obtained are checked from time to time by inspecting officers, including the District Magistrate, Police Superintendent, Civil Surgeon and his Deputies. If omissions are detected, the defaulting chaukidar is reported to the District Magistrate for punishment.

List of Vaccination Establishment in Ajmere-Merwara.

PARTICULARS.	No.	PAID BY GOVERNMENT.		PAID FROM DISPENSARY FUND.		PAID BY MUNICIPALITY.		REMARKS.
		No.	Pay.	No.	Pay.	No.	Pay.	
Native Superintendent . . .	1	...	R 24 per mensem.	...	R ...	...	R 5	
Vaccinators	12	4	R 92 per annum each.	5	R 92 per annum each.	3	R 10 per mensem each.	
Moharir	1	...	...	...	...	...	R 10	
Chaprasie	1	...	...	...	...	...	R 5	Throughout the year.
Do.	3	...	...	...	...	...	R 5 each.	From 1st October to 31st March.

Vaccinators paid by Government and Dispensary Fund get Rs 10 per month each from 1st November to 31st March, and Rs 6 per month each from 1st April to 31st October, hence Rs 92 per annum. There are two Municipal Vaccinators at Ajmere and one at Beawar; each gets Rs 10 per mensem throughout the year. One Chaprassie at Rs 5 per mensem is kept throughout the year, and three are kept during the working season, *i.e.*, from 1st October to 31st March.

Statement of Vaccination work in Ajmere City and Suburb in 1896-97 and 1897-98.

YEAR.	Population.	Number of Vaccinators.	PRIMARY VACCINATIONS.		Re-VACCINATIONS.	PERCENTAGE OF SUCCESSFUL VACCINATION.	Persons successfully vaccinated per 1,000 of population.	Births registered during the year.	Deaths registered during the year old.	Number of children under one year who remained unvaccinated during the year.								
			Total.	Successful.														
1896-97 . .	68,843	2	1,724	1,320	3,044	2,809	1,673	1,009	86	2,768	235	188	98.54	80.00	4236	2,488	550	265
1897-98 . .	68,843	2	1,446	1,308	2,754	2,713	1,448	1,114	139	2,671	41	29	98.45	70.73	3922	2,241	806	17

D. F. MULLEN, M.D., SURGEON LT.-COL.,

Civil Surgeon, Ajmere.

CONSERVANCY.

The Municipality during the year under report spent R27,656-8-3 on conservancy ; this includes a sum of R2,464 on account of extra establishments in connection with precautions against plague. There is a noticeable annual increase in the number of private latrines in the city. This is a matter of anxiety on account of the difficulty in keeping them clean.

I have made out a tabular statement showing the expenditure on Public Health by the Municipality during 1897-98. This expenditure comes altogether to R49,400, or 28·58 per cent. of their income, which I consider very creditable.

53. For the purposes of conservancy arrangements, the Ajmere Municipality is divided into eleven wards as under :—

1. Madar Gate to Agra Gate ; bounded on the east by city wall, and on the west by Naya Bazar and Purani Mandi.
2. From Agra Gate to Dehli Gate ; bounded on the east, by Naya Bazar up to the Chaupar, and on the west by the Dargah Bazar.
3. From Naya Bazar Chaupar up to the Nala Bazar, *via* Ghiwala Gate and Gali Khazanchian, on the south from Gali Khazanchian up to the Dargah Bazar.
4. Kayasth Mohalla, Purani Mandi up to Gali Khazanchian.
5. From Madar Gate up to Usri Gate ; bounded on the north by Nala Bazar, and on the west by Ghasiti and Diggi Bazar.
6. From Ghasiti to Langarkhana Gali, including Nawab-ka-bera and Rega Mohalla.
7. Lakhan Kotri, from Dehli Gate to Dargah Bazar, bounded on the east by Dargah Bazar, and on the south by Nala Bazar and Chauk Surat Ram.
8. Khadim Mohalla, Shorgar Mohalla, Dargah, Lakhan Kotri, Silawat Mohalla and Inderkot.
9. Kaisar Ganj, including Cavendishpura.
10. Suburbs.
11. Railway.

Statement Showing annual expenditure of the Ajmere Municipality on Public Health during the years 1896-97 and 1897-98.

172

A MEDICO-TOPOGRAPHICAL

YEAR.	YEARLY EXPENDITURE ON PUBLIC HEALTH.										Ratio per cent. of expenditure on Public Health to total income.																												
	Hospitals and Dispensaries.					Water-works.																																	
	Annual Hospital grant to General Hospital.					Annual Hospital grant to Mission Hospital.					Vaccination.	Maintenance charges.	Interest on Government loan of Rs. 63,000.	Government loan of Rs. 63,000.	Grand Total.																								
1896-97	R a. p.	R a. p.	R a. p.	R a. p.	R a. p.	R a. p.	R a. p.	R a. p.	R a. p.	R a. p.	R a. p.	R a. p.	R a. p.	R a. p.																									
	1,53,386	3	1	32,046	3	28,275	0	0	23,771	3	2	1,500	0	0	120	0	600	0	0	*	2,220	0	653	4	1	14,282	14	6	6,112	14	7	47,040	4	4	30.67				
1897-98	1,72,837	14	10	37,138	8	39,482	0	0	27,656	8	3	1,500	0	0	120	0	0	600	0	0	294	12	0	2,514	12	0	637	5	5	13,834	5	9	4,757	10	6	49,400	9	11	28.58

* The Assistant Health Officer was not appointed until 20th November 1897.

List of Establishment in the Conservancy Department.

No.	Designation.	Rate.	City.	Suburbs.	Tramway.	Total.	Temporary.	Grand Total.	REMARKS.
1	Inspector	R a. p. 110 0 0	...	...	1	1	...	1	
2	Sub-Inspectors	35 0 0	1	1	...	2	...	2	
3	Do.	20 0 0	...	..	...	...	1	1	
4	Clerks , .	15 0 0	...	1	...	1	1	2	
5	Jamadar	11 0 0	...	2	...	2	1	3	
6	Do.	10 0 0	...	...	1	1	1	2	
7	Do.	9 0 0	2	...	...	2	...	2	
8	Peon	7 0 0	1	...	...	1	...	1	
9	Do.	6 0 0	1	3	1	5	...	5	
10	Do.	5 0 0	7	6	2	15	19	34	
11	Do.	4 0 0	...	...	...	...	1	1	
12	Chowkidar	6 0 0	...	...	1	1	...	1	
13	Bhisty	5 0 0	2	2	...	4	1	5	
14	Do.	6 0 0	...	1	1	2	...	2	
15	Do.	7 0 0	...	...	1	1	...	1	
16	Sweepers	6 0 0	...	...	41	41	...	41	
17	Do.	5 0 0	18	19	...	37	4	41	
18	Do.	4 0 0	29	50	...	79	...	79	
19	Do.	3 0 0	1	..	...	1	...	1	
20	Do.	2 0 0	1	1	...	2	...	2	
21	Do.	1 8 0	...	1	...	1	...	1	
TOTAL . .		...	63	87	49	199	29	228	

Statement showing Solid and Liquid Filth removed by Conservancy Tramway during last ten years.

Estimated Population for conservancy purposes.		SOLID EQUIVALENT.		LIQUID EQUIVALENT.		TOTAL EQUIVALENT.		Average quantity per head per annum in lbs.
		In Gallons.	In Tons.	In Gallons.	In Tons.	In Gallons.	In Tons.	
40,000	1888-89	35,44,625	14,241.79	23,87,625	9,593.14	59,32,250	23,834.93	1,334.76
40,000	1889-90	33,82,250	13,589.40	24,73,875	9,939.68	58,56,125	23,529.08	1,317.63
40,000	1890-91	33,18,875	13,334.76	26,69,500	10,725.67	59,88,375	24,060.43	1,347.38
50,000	1891-92	32,83,250	13,191.63	27,84,125	11,186.22	60,67,375	24,377.85	1,092.12
50,000	1892-93	34,14,125	13,717.46	24,40,375	9,805.08	58,54,500	23,522.54	1,053.82
50,000	1893-94	31,69,375	12,734.10	27,44,000	11,025.00	59,13,375	23,759.10	1,064.41
50,000	1894-95	31,56,000	12,680.36	25,43,625	10,219.92	56,99,625	22,900.28	1,025.93
50,000	1895-96	31,96,625	12,843.58	32,06,250	12,882.25	64,02,875	25,725.83	1,152.52
50,000	1896-97	30,54,250	12,271.54	33,60,625	13,502.51	64,14,875	25,774.05	1,154.67
50,000	1897-98	29,93,000	12,025.44	41,06,250	16,498.33	70,99,250	28,523.77	1,278.09

NOTES.—Number of bullocks engaged on Tramway 20, on cart service 84; total number of bullocks 104.

Number of Tramway wagons 73

Number of filth carts 46

Number of rubbish carts. . . . 16

The population according to the census of 1881 and 1891 respectively was 48,735 and 68,843. But as a number of persons resort to the fields around for obeying the calls of nature, and as filth of certain premises is not removed to the Trenching ground as explained in paragraph 62 of the Annual Report for 1895-96, the population served by the conservancy system has roughly been taken at 40,000 during the currency of the census of 1881, and 50,000 during the current census. The large increase in the population since 1881 to 1891 was mainly due to the Railway, as its opening in 1879 and the fact of Ajmere being made its head-quarters led to a great influx from outside. The settlers of 1879 brought their families to live with them or married and had children born to them. Since the census of 1891 there has been some increase, but to what extent I am unable to say.

Statement of Births and Deaths registered in the Ajmere Town and Suburbs during ten years.

Average Birth rate of Ajmere Town and Suburbs for seven years from 1891 to 1897

STATEMENT OF BIRTHS AND DEATHS REGISTERED IN AJMERE TOWN AND
SUBURBS FROM DECEMBER 1896 TO JULY 1897.

Statement of Births and Deaths registered in Ajmere Town

MONTHS.	Population.	BIRTHS.						DEATHS BY CLASSES.						CAUSE OF					
		Mahomedans.		Hindus.		Other classes.		Mahomedans.		Hindus.		Other classes.		Cholera.		Small-pox.		Fever.	
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
December 1896	• • • •	39	38	44	51	...	...	172	37	63	...	100	...	...	3	...	20	32
January 1897	• • • •	46	43	55	58	...	1	203	45	80	...	125	...	...	1	1	35	29
February 1897	• • • •	16	24	31	31	...	...	102	28	47	...	75	...	...	...	...	24	20
March 1897	• • • •	30	27	31	31	...	...	119	46	58	...	104	...	...	...	...	35	26
April 1897	• • • •	38	31	22	26	...	...	117	58	97	...	155	...	...	...	...	48	54
May 1897	• • • •	32	22	37	36	...	...	127	76	137	...	213	...	...	...	...	54	55
June 1897	• • • •	26	18	30	30	...	...	104	36	63	...	99	...	1	...	...	38	34
July 1897	• • • •	26	23	42	46	...	...	137	36	49	...	85	...	...	...	...	26	26
Total Ajmere Town	• 41,416	253	226	292	309	...	1	1,081	362	594	...	956	..	1	4	1	280	276	
December 1896	• • • •	18	15	34	42	...	...	109	22	46	1	69	...	...	...	...	11	13
January 1897	• • • •	10	7	27	33	...	...	77	24	22	1	47	...	...	...	...	9	14
February 1897	• • • •	10	8	28	23	2	2	73	11	25	2	38	...	...	...	...	10	7
March 1897	• • • •	13	17	17	22	...	...	69	22	42	2	66	...	...	1	...	17	13
April 1897	• • • •	13	15	44	38	...	...	110	22	48	...	70	...	...	1	...	17	23
May 1897	• • • •	11	8	31	25	2	1	78	13	72	1	86	1	...	...	...	26	25
June 1897	• • • •	12	13	21	18	...	...	64	21	35	3	59	...	...	...	...	18	23
July 1897	• • • •	7	12	27	25	...	...	71	15	32	1	48	...	...	...	...	12	12
Total Ajmere Suburbs	• 27,427	94	95	229	226	4	3	651	150	322	11	483	1	...	2	...	120	130	
GRAND TOTAL	• 68,843	347	321	521	535	4	4	1,732	512	916	11	1,439	1	1	6	1	400	406	

and Suburbs from December 1896 to July 1897.

Statement of Deaths registered in Ajmere Town and Suburbs from December 1897 to January 1898.

Cause of Death.	Ward I.	Ward II.	Ward III.	Ward IV.	Ward V.	Ward VI.	Ward VII.	Ward VIII.	Total Town & Wards.	Suburbs.	Grand Total.
Fever	11	17	39	13	27	50	32	27	216	124	340
Dysentery	5	14	6	3	8	4	5	5	45	19	64
Diarrhoea	6	9	25	12	13	28	4	12	109	32	141
Bronchitis	2	8	16	10	11	5	5	4	61	34	95
Pneumonia	10	11	21	10	23	18	11	10	114	82	196
Pleuritis	2	1	3	8	3	10	1	1	29	16	45
Phthisis	4	6	13	5	20	12	4	6	70	10	80
Measles	...	...	1	1	...	...	...	...	3	...	3
Asthma	...	3	10	1	9	8	9	2	42	17	59
Debility	7	12	27	14	31	36	13	20	160	83	243
Erysipelas	3	2	...	1	...	...	...	...	6	2	8
Sunstroke	...	1	...	1	2	...	...	...	3	6	9
Anasarca	4	8	...	2	7	...	...	...	21	3	24
Burn	...	2	1	...	...	...	...	...	3	1	4
Hemiplegia	1	6	...	1	1	...	...	2	11	2	13
Abortion	1	...	1	...	1	...	...	2	7	...	7
Heart disease	1	...	1	2	1	...	...	2	...	3	4
Lock jaw	1	1	6	3	7	3	4	...	22	8	40
Obstruction of bowels	...	...	...	1	1	1	1	1	6	8	14
Mumps	...	...	...	...	1	...	...	...	1	...	1
Convulsions	...	1	1	1	...	2	2	...	6	7	13
Uterine diseases	...	...	...	...	...	...	...	1	...	1	1

		1	2	3	4	5
Whooping cough	•	•	•	•	•	•
Rheumatism	•	•	•	•	10	14
Liver disease	•	•	2	5	3	32
Labor	•	•	•	2	1	8
Paraplegia	•	•	•	1	1	10
Cabuncle	•	•	1	2	1	5
Calculus vesicæ	•	•	1	•	1	1
Fracture of skull and drowning	•	1	•	•	1	3
Opium poisoning	•	•	1	1	3	6
Croup	•	•	•	•	2	2
Anæmia	•	•	•	•	2	2
Dropsy	•	•	•	•	2	2
Serofulpa	•	•	•	•	1	2
Premature birth	•	•	•	•	1	3
Piles	•	•	•	•	2	1
Leprosy	•	•	•	•	1	2
Gangrene and wound	•	•	•	•	1	1
Snake-bite	•	•	•	•	•	7
Sporadic cholera	•	•	•	•	•	2
Colic	•	•	•	•	•	1
Stricture urethra	•	•	•	•	•	1
TOTAL	•	47	88	213	93	169
					202	101
					1,015	500
						1,515

NOTE.—Out of 340 deaths from fever 168 occurred from Typhoid fever as detailed below:—

Ward I	• 6	Ward VI	• 17
Ward II	• 5	Ward VII	• 14
Ward III	• 12	Ward VIII	• 6
Ward IV	• 0	Suburbs	• 41
Ward V	• 7		

The death registrations are now checked by the Assistant Health Officer, and no difficulties have been reported, although he visits each house where a death is reported and makes a personal investigation as to the cause of death.

Statement showing number and ratio per cent. deaths registered in each

WARDS.		Number of houses in each ward.	Approximate number of persons in each ward, taking 4 in each house.	NUMBER OF DEATHS REGISTERED.										Ratio of deaths per cent. of estimated population.
				December 1897.	January 1898.	February 1898.	March 1898.	April 1898.	May 1898.	June 1898.	July 1898.	Total.		
Ward No.	I	538	2,152	9	5	9	10	4	4	3	3	47	2.18	
" "	II	1,008	4,032	17	20	13	11	7	8	6	6	88	2.18	
" "	III	2,460	9,840	35	27	24	24	46	25	16	16	213	2.16	
" "	IV	807	3,228	12	14	13	8	14	11	10	11	93	*2.88	
" "	V	2,015	8,060	27	30	21	20	15	27	18	11	169	2.09	
" "	VI	2,403	9,612	26	29	24	21	24	33	24	21	202	2.10	
" "	VII	1,114	4,456	27	19	10	16	10	9	8	3	102	2.28	
" ,	VIII	937	3,748	22	19	10	10	8	11	14	7	101	*2.69	
Total Ajmere Town . . .		11,282	45,128	175	163	124	120	128	128	99	78	1,015	2.2	
Suburbs . . . .		...	30,000	74	79	65	60	64	64	42	52	500	1.66
GRAND TOTAL . .		...	75,128	249	242	189	180	192	192	141	130	1,515	2.02

* Nos. IV and VIII are the unhealthiest wards.

Ward from December 1897 to July 1898.

	HINDUS.							MOHAMEDANS.							OTHER CLASSES.											
	Decembe. 1897.	January 1898.	February 1898.	March 1898.	April 1898.	May 1898.	June 1898.	July 1898.	Total.	December 1897.	January 1898.	February 1898.	March 1898.	April 1898.	May 1898.	June 1898.	July 1898.	Total.	December 1897.	January 1898.	February 1898.	March 1898.	April 1898.	May 1898.	June 1898.	July 1898.	Total.
5	4	6	7	4	3	1	1	31	4	1	3	2	...	1	2	2	15	...	...	...	...	...	...	...	1
13	12	9	8	5	4	5	4	60	4	8	3	3	2	4	1	2	27	...	...	1	...	...	...	...	1
23	20	17	19	38	19	15	11	162	12	7	7	5	8	6	1	5	51	...	...	...	...	...	...	...	00
6	9	11	5	10	9	7	8	65	6	5	2	3	4	2	3	3	28	...	...	...	...	...	...	...	00
8	13	10	14	8	12	6	4	75	19	17	11	6	7	14	12	7	93	...	...	1	...	...	...	...	1
15	17	14	9	13	20	14	16	118	11	12	10	12	11	13	9	5	83	...	...	...	1	...	...	...	1
23	15	8	12	2	7	6	2	75	4	4	2	4	8	2	2	1	27	...	...	...	...	...	...	...	00
3	4	3	2	2	1	1	1	17	19	15	7	8	6	10	13	6	84	...	...	...	...	...	...	...	00
96	94	78	76	82	75	55	47	603	79	69	45	43	46	52	43	31	408	...	1	1	...	1	1	...	4	
56	61	48	45	44	46	12	36	348	16	18	14	12	16	11	22	14	123	2	...	3	3	4	7	8	2	29
152	155	126	121	126	121	67	83	951	95	87	59	55	62	63	65	45	531	2	...	4	4	4	8	9	2	33

Statement of Deaths registered in Ajmere Town

Cause of Death.	WARD NO. I.						WARD NO. II.						WARD.																										
	Male.	Female.	December 1897.		Male.	Female.	January 1898.		Male.	Female.	December 1897.		Male.	Female.	January 1898.		Male.	Female.																					
Fever	2	1	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.																					
Dysentery	1	1	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.																					
Diarrhoea	2	1	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.																					
Bronchitis	1	1	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.																					
Pneumonia	1	3	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.																					
Pleuritis	1	1	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.																					
Phthisis	1	1	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.																					
Measles																																							
Asthma																																							
Debility	1	2	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.																					
Erysipelas																																							
Sunstroke																																							
Anasarca																																							
Burn																																							
Hemiplegia																																							
Abortion	1																																						
Heart disease		1																																					
Lock jaw		1																																					
Obstruction of bowels																																							
Mumps																																							
Convulsions																																							
Uterine disease																																							
Whooping cough																																							
Rheumatism																																							
Liver disease																																							
Labor																																							
Paraplegia																																							
Carbuncle	1																																						
Calculus vesicæ																																							
Fracture of skull and drowning. Opium poison		1																																					
TOTAL	2	7	1	4	6	3	7	3	2	2	2	1	2	22	25	7	10	12	8	8	5	5	6	5	2	5	3	3	3	1	5	46	42	19	16	12	15	12	12

and Suburbs from December 1897 to July 1898.

Statement of Deaths registered in Ajmere Town

CAUSE OF DEATH.

	WARD NO. VI.												WARD NO. VII.																						
	Male,				Female,				Male,				Female,				Male,				Female,														
	December 1891.		January 1892.		February.		March.		April.		May.		June.		July.		Total.		December 1891.		January 1892.		February.		March.		April.		May.		June.		July.		Total.
Fever	3	2	3	4	3	2	1	3	4	2	6	1	3	4	1	8	24	26	5	6	3	2	3	1	1	1	1	1	17	5					
Dysentery	3	1	2					1	1								5	3	1									3	1						
Diarrhoea	1	3	2		2	1	3	1	3	2	4	2	2	2			15	13	1								2	2							
Bronchitis		1	1		1	1	1	1									1	4	1	1	1	1	1				4	1							
Pneumonia		2	3	2		2	2	1	1	2	3						11	7	2	2	2	1					6	5							
Pleuritis		1	4		1			1	1	1	1		1				6	4	1								1								
Phthisis		1	2		2	1		1		3		2					4	8		1	1		1				3								
Asthma		1		1	2	1		1		1	1						6	2	2	1	1	1	1	1	1	1	5	4							
Debility		2	2	1	2	4		2	3	3	4	4	3	3	3	3	16	20	2			2	1	2	1	1	1	5	8						
Erysipelas																																			
Anasarca						1	1	2									1	1	1	1	4	3													
Burn																																			
Hemiplegia					1													1																	
Abortion																																			
Heart disease																																			
Lock jaw					1		1	1									3		1								1								
Obstruction of bowels																	1											1	1						
Convulsions									1		1						2																		
Sporadic cholera																																			
Whooping cough																	1																		
Rheumatism					1	1											1	1		1	1	1						3							
Liver disease					1						2	1		3	1		1	1	1								2	1							
Labor																		1										2							
Paraplegia						1											1		1									1							
Carbuncle								1		1							2																		
Fracture of skull and drowning																	2	1	1	2															
Croup																		1		1								1	1						
Anæmia																													1	1					
Premature birth																																			
Files																																			
Colic																																			
Leprosy																																			
Dropsey																																			
Stricture urethra																																			
Scrofula																																			
Gangrene and wound																																			
Sunstroke																																			
Snake bite																																			
TOTAL	15	11	16	13	11	13	12	9	15	9	18	15	10	14	7	14	104	98	12	15	9	10	7	3	8	7	3	6	3	3	5	2	154	98	

and Suburbs from December 1897 to July 1898—concluded.

*Annual Report on the Water-supply system of Ajmere for the year 1897-98,
by Major SPILSBURY, R.E.*

During the year no changes have taken place in the water-supply system. The Foy Sagar is still the main supply. On the 1st April 1897 its level was 15'37 feet above the lowest sluice. The minimum reached before the rains was 10'44 feet on the 10th July. The highest level reached during the year was 22'05 feet on the 30th August; this is 1'95 feet below the lowest weir, and is about 15 inches higher than the maximum of 1896. On 1st April 1898 the depth was 17'33 feet above lowest sluice, or nearly 2 feet higher than at commencement of the year. As the rains held off till the 12th July, and the tank was getting almost as low as it had ever reached by that date, considerable anxiety was aroused by the possibility of the tank failing if the rains were unfavourable or altogether held off, and the necessary preliminary arrangements were made to put down the Budha Pushkar water-supply scheme, if this should turn out necessary. One result of the enquiries instituted was to show that a considerable proportion of the necessary piping would always be available from certain firms in Calcutta in an emergency.

2. During the year the loss of water from all causes may be taken at 89 million cubic feet. Of this 17 million cubic feet were utilized by this town, 13 million cubic feet were lost in leakage, and 59 million cubic feet lost by evaporation and other causes. The corresponding vertical depths for these quantities are as follow :—

Utilized by the town	2 feet
Lost by leakage	1½ „
Lost by evaporation, etc.	7 „
TOTAL	10½ feet.

3. Leakage has been regularly measured, and was at a maximum during the months of September, December and January, being about 13,10,000 c. ft. for each of these months and at minimum in June of 8,01,000 c. ft.

4. Of the 17 million cubic feet which is estimated as having been utilized in town consumption, 16 million cubic feet were actually measured as supplied to the town and railway through the Naya-gate cistern. The remaining 1 million cubic feet were used partly by the gardens at Foy Sagar and the hydrant on the road leading there, and partly delivered direct to the town without measurement through the Dehli-gate main. A meter is about to be put up on this high level main which does not pass through the Naya-gate cistern, and this quantity will in future be measured. Of the 16 million cubic feet which were measured, the Railway took nearly 5 million cubic feet or 31 million gallons, and private gardens, etc., in Cantonments used 1 million cubic feet. The population using the remaining 10 million cubic feet may be estimated at 50,000, so that the consumption per head in the city is 200 cubic feet per annum or 3·4 gallons per day nearly.

5. It will be seen that the leakage is not far short of the total consumption. Without some system of pumping it is impossible to utilize any of this, as it flows out at some 13 feet below the lowest sluice. If it could be used it would considerably extend the duration of supply of the tank, and might just obviate the necessity of installing the Budha Pushkar scheme in the event of one monsoon totally failing under certain circumstances.

6. The 12-inch main from the Foy Sagar to the distributing cisterns is constantly flowing during the 24 hours. During the months of moderate demand, i.e., from July to

March, and when there is a sufficient head of water, the Dehli-gate main, which is connected directly with the 12-inch main from Foy Sagar and the higher parts of the city and Kaisarganj, is allowed to flow continually during the hours of day-light. The Railway main and its branch to the Cantonment remains open day and night, but during the month of maximum demand, say, April to June, Dehli-gate main is only opened during certain hours in the morning and evening, and at the end of the Cantonment branch, the supply has also to be regulated during the hot months to enable all to have a sufficient supply.

7. During the year under review about 3,500 running feet of new private connections were added.

8. Regarding the purity of supply, the state of the water remains much as it was. It was analysed once before the rains in June, and twice after in September. On the latter occasion it was also examined bacteriologically. One sample, from a road hydrant, was found to contain germs of enteric fever. A tabular statement is attached of these analyses. The purity of the supply therefore leaves much to be desired. The catchment area contains three villages, distant $1\frac{1}{2}$ to 2 miles, and cultivation with manuring is unrestricted and is carried on right up to the border of the tank. As it will be out of the question at present to buy up the land and villages and stop the evil at its source, the only alternative is to make efficient filtering arrangements. The scheme is now being worked out on the most modern lines, and it is hoped that funds may be obtained in due course to institute an efficient system of filtration. In connection with this the question of utilizing the leakage water is also being considered.

ANA SAGAR.

The depth of water above sluice on 1st April 1897, was 4'23 feet. The lowest level reached was 0'20 feet on 10th July, and the highest 7'02 on 27th August 1897, which was more than a foot lower than the maximum of the year before. On 31st March 1898 the depth in above sluices was only 3'73, the water of this tank is used mainly for irrigating the Kaisar Bagh and Doulat Bagh gardens and for the Dhobies' Ghats.

E. C. SPILSBURY, MAJOR, R.E.,
Executive Engineer, Ajmere Provincial Division.

Statement I.

Foy Sagar Tabular Statement of capacity, consumption, revenue derived, and maintenance charges for the year 1897-98.

YEAR.	Month.	Height above sluice on 1st.	CONSUMPTION AS MEASURED OF MONTH.		REVENUE FROM SALE OF WATER.		Main- tenance charges for the year.	Rainfall in inches.	REMARKS.				
			Total out-goings during month.	Town.	Railway.	Railway.	Others.	Total.					
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1897	April.	• • •	15'37	M. C. ft.	M. C. ft.	M. C. ft.	M. C. ft.	R	R	R	R	R	• 08
	May	• • •	14'27	48'525	12'275	1'057	'454	7'065	355	249	604		
	June	• • •	12'50	35'250	9'775	1'150	'528	10'690	412	293	705		
	July	• • •	10'90	26'475	Addition due to rainfall.	1'051	'494	8'131	440	262	702		
	August	• • •	17'91	78'690		'923	'345	...	326	175	501		
	September	• • •	22'04	123'270	8'482	'744	'393	7'345	306	204	510		
	October	• • •	21'35	114'788	8'563	'889	'420	7'254	299	217	516		
	November	• • •	20'62	106'225	7'590	'877	'327	6'386	256	200	456		
	December	• • •	19'94	93'635	5'330	'843	'401	4'086	313	189	502		
1898	January	• • •	19'42	93'395	5'325	'835	'390	4'600	305	177	482		
	February	• • •	18'84	87'480	5'415	'857	'352	4'206	275	168	443		
	March	• • •	18'27	82'065	8'595	'926	'412	7'257	321	212	533		
	Total	•	1897'98	...	80'285	11'068	4'934	67'020	3,878	2,487	6,365		27'66

E. C. SPILSBURY, MAJOR, R.E.,

Executive Engineer, Ajmere Provincial Division.

Statement 2.

Table of Results of Analyses of Foy Sagar water during 1897-98.

Date.	Sample where taken.	Total solid grains per gallon.	Chlorine grains per gallon.	Total hardness grains per gallon.	Fixed hardness grains per gallon.	Free ammonia parts per million.	Albuminoid ammonia parts per million.	REMARKS.
6th June 1897	Surface of Reservoir . . .	16·8	3·5 .....	..... .....	..... .....	·13	·28	No microbe resembling that of cholera. No enteric or cholera microbes.
31st August 1897	.....	15·4	1·96 .....	..... .....	..... .....	Nil	·24.....	.....
14th September 1897	.....						
6th June 1897	7 feet below surface . . .	16·8	3·5	.....	.....	·16	·28	
6th June 1897	Sluice Level . . .	16·8	3·5 .....	..... .....	..... .....	·16	·34	No microbe resembling that of cholera. No enteric or cholera microbes.
31st August 1897	.....	15·4	1·96 .....	..... .....	..... .....	·04	·28	
14th September 1897	.....						
6th June 1897	Stand post P. W. Godown .	16·8	3·64	.....	.....	·05	·28	
31st August 1897	" near Revenue Extra Assistant Commissioner's Office .	.....	.....	.....	.....	.....	.....	No microbe resembling that of cholera. Enteric microbe detected.
Do. .	Stand near Mission School .	.....	.....	.....	.....	.....	.....
14th September 1897	Do. do. .	15·4	1·96	.....	.....	Nil	·24	No enteric or cholera microbes.
31st August 1897	Leakage water . . .	.....	.....	.....	.....	.....	.....	No enteric or cholera microbes.
4th September 1897	Do. . . .	25·2	1·96	.....	.....	·04	·22	No enteric or cholera microbes.

E. C. SPILSBURY, MAJOR, R.E.,

Executive Engineer, Ajmere Provincial Division.

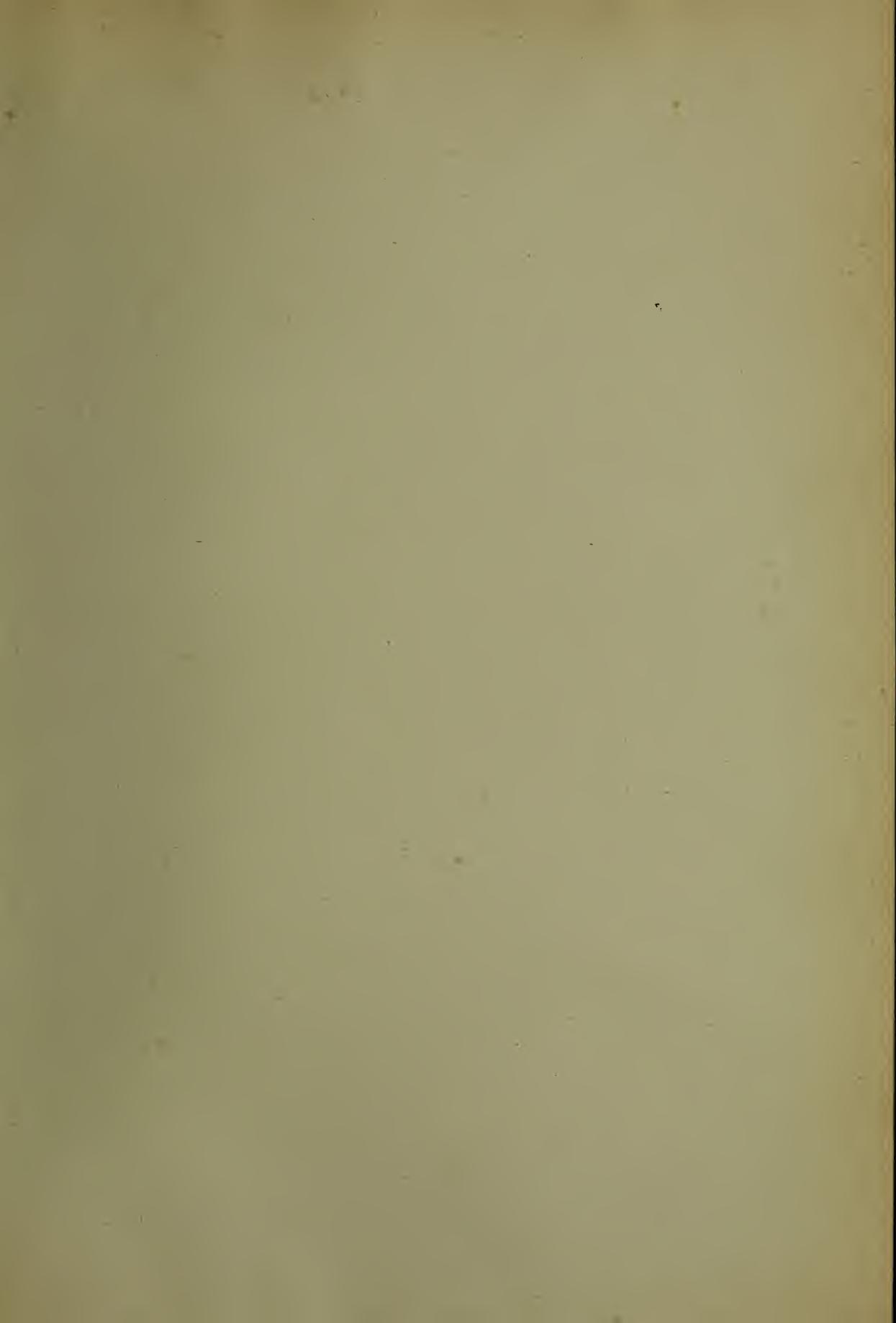
Statement of Births and Deaths registered in Ajmere-Merwara during 1896 and 1897.

DISTRICT.	POPULATION ACCORDING TO CENSUS OF 1891.			BIRTHS.			DEATHS ACCORDING TO SEX.			DEATHS ACCORDING TO CLASSES.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Mahomedans.	Hindus.	Other classes.
AJMERE—												
1896	•	•	•	223,547	198,812	422,359	6,624	6,010	12,634	6,459	5,593	12,052
1897	•	•	•	•	•	•	6,989	6,202	13,191	5,318	4,938	10,256
MERWARA—												
1896	•	•	•	64,778	55,221	119,999	2,653	2,486	5,139	1,734	1,535	3,269
1897	•	•	•	•	•	•	•	•	2,680	2,400	5,080	1,613
TOTAL AJMERE-MERWARA—												
1896	•	•	•	288,325	254,033	542,358	9,277	8,496	17,773	8,193	7,128	15,321
1897	•	•	•	•	•	•	9,669	8,602	18,271	6,931	6,464	13,385

Statement of Daily Mortality occurred in the City and Suburbs of Ajmere on the



This is the form in which the daily mortality report is submitted.



A
MEDICO-TOPOGRAPHICAL ACCOUNT
OF
AJMERE, RAJPUTANA

BY
LT.-COLONEL P. DURRELL PANK,
INDIAN MEDICAL SERVICE,
RESIDENCY SURGEON, JEYPORE, LATE OFFICIATING CIVIL SURGEON, AJMERE,

WITH ADDITIONAL NOTES
BY
LT.-COLONEL D. FFRENCH-MULLEN, M.D.,
INDIAN MEDICAL SERVICE,
CIVIL SURGEON, AJMERE.

1900.



CALCUTTA:
OFFICE OF THE SUPERINTENDENT OF GOVERNMENT PRINTING, INDIA.
1900.